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INTRODUCTION

This Index is a subject guide to the major articles published in 391 British technical journals in 1966. It comprises about 28,000 entries arranged in a single alphabetical sequence of subject headings, together with supporting references.

Subject Scope

The Index embraces all departments of Engineering and Chemical Technology, together with the various Manufacturing Processes based upon them. It also includes a great deal of material on the pure science (i.e. the physics or chemistry) of man-made objects and industrial processes. Instruments of all kinds are covered, irrespective of whether their field of application is in pure or applied science. Articles on the chemistry of individual substances are also indexed, as it is only very rarely possible to assert that a chemical species is entirely without technical interest. The *Index* does not cover Industrial Economics, but it does contain references to articles of a mixed technical-economic character. These are invariably signalled by the subheading 'Industry' as opposed to the more usual 'Manufactures' or 'Production' for the technical processes. Technology also overlaps the field of Management at several points, and here the policy of the *Index* is to include from the management sphere only material on such physical and statistical techniques as work study, ergonomics and operational research. Finally, it should be mentioned that the *Index* omits the applied biological sciences from its purview. Here again a number of borderline subjects are included. For instance, the production technology and the chemistry of food, drugs and pesticides are covered, but the physiological chemical aspects are excluded.

Index Structure

The *Index* is designed primarily as a reference tool for tracing articles on highly specific topics. For this purpose the headings are detailed and generally co-extensive with the subjects of the articles listed.

The basic method of index construction may be illustrated by the treatment of such a subject as 'Bleaching Cotton by hydrogen peroxide'. A single entry is made with supporting references, as follows:

COTTON, Bleaching, Hydrogen peroxide.

HYDROGEN PEROXIDE, Bleaching, Cotton. See COTTON, Bleaching, Hydrogen peroxide

BLEACHING, Cotton. See COTTON, Bleaching

Additional facilities are given in two situations. When the first two elements of a heading are in the relation of Whole and Part, as in SHIPS, Diesel engines or MOTOR CARS, Bodies, then a second permuted entry (DIESEL ENGINES, Ships and BODIES, Motor cars) is given under the term representing the Part. This is considered desirable because interest in a particular component may often ignore the more comprehensive unit of which it forms a part. Considerations of a similar character arise in connection with Processes and Applications. The *Index* normally enters under the Application with a reference from the Process. There is a case for substituting a second entry for the reference, but it is felt to be less strong than the case for double entry for Whole-Part and Part-Whole, and it is not possible to have double entry for both in view of economic limitations on the size of the *Index*. The second occasion for the use of double entry is the subject which is a proper name, such as the name of a teaching or research institution, or the name of a prominent structure (realised or unrealised) such as the CHANNEL TUNNEL or FORTH ROAD BRIDGE. In these cases, entries are given both under proper name and under the term for the subject illustrated (e.g. BRIDGES, Suspension and TUNNELS).

In this *Index*, the subjects are entered directly into the alphabetical sequence, and not as subheadings of more general terms, *as long as they can stand alone with unequivocal meaning*, corresponding to the subject of the article. Thus FUEL CELLS are entered directly, and not under ELECTROCHEMISTRY or GENERATORS, Electrical. The purpose here is again to facilitate specific topic searching. Though the *Index* is necessarily a cumbersome tool for broad field searching it has been thought desirable to signpost some varieties of subject relationship. *Index* users often discover pertinent material under a term narrower in meaning than that which they consulted first as approach term. Inquirers primarily interested in a particular application of a process may find useful information on other applications of the same process to parallel situations.

Relational signposting in the *Index* is carried out by references of two kinds. In the first place there are "Related heading" references which refer from more to less general terms. A number of classification schemes have been pressed into service in this connection. Not all of the various hierarchical steps are everywhere included. Thus the names of the various plastics are given as references at Plastics, and not via such intermediate groupings as Synthetic Resin Plastics, and Condensation Polymerised Plastics, though occasionally articles will appear covering these relatively generalised concepts. The "related heading" network for Chemistry is of the simplest kind. No attempt is made to link the various inorganic chemicals, and for organic chemicals only the intermediate concepts "Aliphatic" and "Cyclic" and "Heterocyclic" are brought into the system of references. For reasons of space no references are given between subheadings under the same main heading (e.g. AIRCRAFT, Engines and AIRCRAFT, Gas turbines). To compensate for this absence brief systematic synopses have been added at the beginning of certain of the longer sequences of subheadings.

The other relation-indicating mechanism is inherent in the system of inversion references, of which an example has already been given for

COTTON, Bleaching, Hydrogen peroxide.

The person searching for this subject may also be marginally interested in (*a*) Hydrogen peroxide, (*b*) Hydrogen peroxide bleaching, (*c*) Bleaching of other cellulosic fibres. The routine instruction is simply to note the sub-heading terms and then look them up in the main sequence. Thus at HYDROGEN PEROXIDE will be found entries for material in this substance in general and on its use for bleaching generally: there will also be references locating headings on its particular applications and the hydrogen peroxide bleaching of particular substances. At BLEACHING will be found entries for articles on bleaching generally, and references to headings on the bleaching of individual substances.

Order of Elements in Headings

Most of the subjects indexed are composite in that they cannot usually be expressed in a single word or phrase. The question therefore arises as to which of the various verbal elements required for the heading shall be entry word and generally as to the order of the other elements in the heading.

The order of verbal elements or components is normally so devised that an account of a process applied to a particular application is placed under the term for the Application. Another invariable rule is that the various word-elements are arranged left to right in order of decreasing concreteness with the most concrete element as the entry word. There are many situations in which recognisable differences in terms of concreteness and abstractness may not be apparent, and a number of rules have been devised for the indexers which regulate heading component order through a consideration of the relationships between the components. The following table illustrates the more commonly used heading constructions and their natural language equivalents.

Compounds which specify a particular type or variety of Thing or Material:

Heading and subheading	*Natural language*
1. THING$_1$, Thing$_2$ CONVEYORS, Roller	Conveyors *with* Rollers
2. FUNCTION, Thing PRINTING, Inks	Inks *for* Printing
3. THING$_2$, Thing$_1$ BUSES, Garages	Garages for Buses
4. THING, Property FABRICS, Coated	Fabrics *with* Coating
5. THING$_2$, Thing$_1$, TURBINES, Rotors THING$_1$, Thing$_2$ ROTORS, Turbines	Rotors *of* Turbines

Compounds denoting Actions or Properties of Things or Materials:

6. THING, Property BEAMS, Strength	Strength *of* Beams
7. THING, Action upon it IRON, Corrosion	Corrosion *of* Iron
8. THING$_1$, Action upon it, Thing$_2$ METALS, Forming, Magnetic pulse	Forming *of* Metals *by* Magnetic pulses
9. THING, Action upon it, Byproduct PHTHALIC ANHYDRIDE, Production, Tail gases	Tail gases *as byproduct of* Production *of* Phthalic anhydride
10. THING, Its Action LASERS, Welding	Welding *by* Lasers

Other compounds

11. ACTION$_2$, Action$_1$ PACKAGING, Labelling	Labelling *for* Packaging

12. MATERIAL, Diversified role PLASTICS, Building materials	Plastics *as* Building materials

N.B.—The subscript figures refer to order in English natural language using prepositions to indicate relationships. The term THING in examples 1–10 includes Materials.

These rules, taken separately or in combination, account for a high proportion of the indexing problems met.

Indexing of Locality terms

A high proportion of the articles indexed deals with objects or activities at particular places. It is of course possible to decide in a general way that the place is or is not significant, but as usual there is a great number of debatable intermediate cases. The radical solution of indexing place in all such cases is ruled out on grounds of space and economics. The practice adopted is as follows:

(1) An article surveying comprehensively the methods practised in a particular country, or a particular species of product produced in a particular country, receives a reference from the country (and from the continent in the case of Africa and South America.

(2) An article dealing with an individual factory or its products does not normally receive a reference from place. Individual structures are not usually specified and referenced by locality, except in the following instances.

Housing
Flats, Maisonettes
Churches, Monasteries and similar buildings
Government and municipal buildings
Town planning topics
Mines
Pipelines
Power stations (including Nuclear and Hydroelectric)
Dams
Coastal and Flood control works, Drainage, Water engineering
Roads
Buildings connected with transport.

Ambiguity in headings

The use of relational criteria in constructing headings goes some way towards reducing ambiguity of index headings. However, the omission of the actual relational terms or phrases can still occasionally lead to uncertainty of interpretation. Often this uncertainly is of a kind that matters little for information retrieval purposes. The heading

METALS, Extrusion, Presses

can mean that the article is about the extrusion by the press or it can be about the press which extrudes. It is doubtful if ambiguity of this kind is of great practical importance. To distinguish an action, part or property, from the use of an action part or property term to denote a particular kind, e.g. Paint, Stoving—the stoving of paint, and Paint, Stoving, i.e. Stoving paints, the *Index* uses parentheses around a type-specifying word where the distinction seems required. The parentheses have the same sorting value as the commas which they replace.

Journals covered

A list of the journals covered by this volume of the Index, together with their publishers' addresses, is to be found at the end of the book. It includes some titles no longer in existence. Society publications simply entitled *Journal of . . .*, *Proceedings of . . .*, or *Transactions of . . .* are entered in the list under the name of the society. (In Index citations these journal titles are given in the form used in the journal itself, with the abbreviations shown on page ix.)

Thanks are due to the publishers of many of these journals for supplying copies for indexing and so expediting the work.

Selection of articles for the Index

An attempt has been made to select the more substantial articles published in the journals listed, though no evaluative criteria have been employed. The following types of material are normally excluded: (1) articles comprising less than a page of text and/or diagram in the usual format and typography, (2) brief resumés of symposia and conferences, (3) accounts of exhibitions, and other articles which consist of enumerative descriptions of a variety of products, (4) regular miscellany features, (5) students' features, (6) letters, (7) notes, (8) discussions, (9) book reviews other than essay reviews and review articles.

Indexing unit

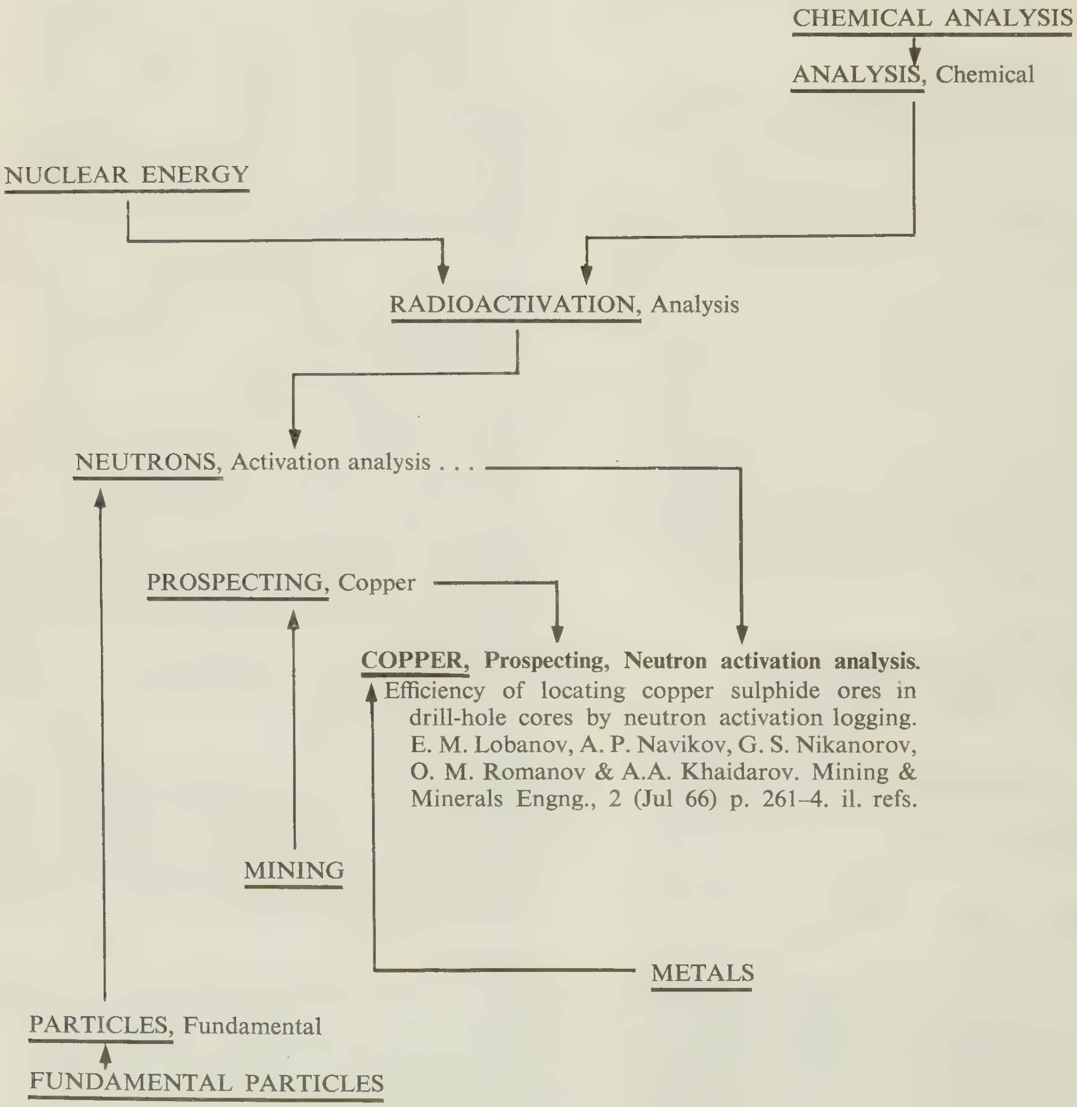
The unit of material indexed is the individual article or the part of an article which appears in a single issue of the journal. The various parts of an article published over several issues are therefore not all given the same heading where they are individually distinctive in subject matter.

Synopses

Brief systematic synopses are provided in some cases where there are long sequences of sub-headings under the same main heading. They are included because no connective references are supplied between sub-headings under the same main heading. They also afford a much simplified bird's eye view of the scope and ramifications of the material indexed under the headings concerned. The terms which are italicised in the synopses are found in their *direct* alphabetical position in the sequence of sub-headings. The terms printed in roman in the synopses are grouping terms only.

DIAGRAM TO ILLUSTRATE INDEX STRUCTURE

Any of the underlined approach terms can be used for tracing an article on neutron activation analysis in prospecting for copper. The arrowed lines represent cross references.


CHEMICAL ANALYSIS
ANALYSIS, Chemical
NUCLEAR ENERGY
RADIOACTIVATION, Analysis
NEUTRONS, Activation analysis . . .
PROSPECTING, Copper
MINING
METALS
PARTICLES, Fundamental
FUNDAMENTAL PARTICLES

COPPER, Prospecting, Neutron activation analysis. Efficiency of locating copper sulphide ores in drill-hole cores by neutron activation logging. E. M. Lobanov, A. P. Navikov, G. S. Nikanorov, O. M. Romanov & A.A. Khaidarov. Mining & Minerals Engng., 2 (Jul 66) p. 261–4. il. refs.

List of Abbreviations used

Association — Ass.
British — Brit.
Bulletin — Bull.
Engineer — Engr.
Engineers — Engrs.
Engineering — Engng.
Gazette — Gaz.
Illustrations — il.
Institute — Inst.
Institution — Instn.

Journal — J.
Page(s) — p.
Proceedings — Proc.
Quarterly — Q.
Royal — R.
References — refs.
Review — Rev.
Society — Soc.
Transactions — Trans.
Continued on later pages — ⇃

MAIN SUBJECT FIELDS COVERED

ENGINEERING
- Control, Computers & Instrumentation
- Mechanical
- Production
- Electrical
- Nuclear
- Structural & Building
- Hydraulic
- Sanitary
- Shipbuilding
- Highway
- Railway
- Automobile
- Aircraft
- Astronautics
- Agricultural

MINING
METALLURGY
METAL MANUFACTURES
WOOD MANUFACTURES
TEXTILES
CLOTHING
PAPERMAKING
PACKAGING
WORKS MANAGEMENT
ECONOMICS OF TECHNICAL PROCESSES
INDUSTRIAL HEALTH & SAFETY
TECHNICAL EDUCATION

CHEMICAL TECHNOLOGY
- Corrosion
- Chemical engineering
- Industrial gases
- Ceramics
- Refractories
- Fuels
- Petroleum
- Plastics & Rubber
- Organic chemicals
- Dyes
- Surface active agents
- Paints
- Food and drink
- Inks
- Pharmaceutical
- Photographic chemistry

4A GROUP ELEMENTS–GROUP 5A ELEMENTS–CHALCOGENIDES, Glass. See GLASS, Chalcogenides–Group 4A elements–Group 5A elements

5A GROUP ELEMENTS–GROUP 4A ELEMENTS–CHALCOGENIDES, Glass. See GLASS, Chalcogenides–Group 4A elements–Group 5A elements

5M SYSTEM, Prefabricated houses. See HOUSES, Prefabricated, 5M system

AAR EAGLE RACING CARS. See MOTOR CARS (Racing) Types, AAR Eagle

A.B.S. See ACRYLONITRILE–BUTADIENE–STYRENE

A.C., Amplifiers. See AMPLIFIERS, A.C.

A.C., Bridges, Capacitance measurement. See CAPACITANCE, Measurement, Bridges, A.C.

A.C., Circuits, Analysis, Phasors, Second order, Frequency response

Frequency calibration of second-order loci. D. G. O. Morris. International J. of Electrical Engng. Education, 4 (Apr 66) p.201-11. il. refs.

A.C., Circuits, Three phase, Star connected, Vector diagrams

Graphical method for solving three-phase problems. R. A. Frewer. International J. of Electrical Engng. Education, 4 (Jan 66) p.41-4. il.

A.C., Disturbances, Electron beams, O-type backward wave oscillators. See OSCILLATORS, Backward wave, O-type, Electron beams, Disturbances, A.C.

A.C., Exciters, Brushless synchronous motors. See ELECTRIC MOTORS, Synchronous, Brushless, Exciters, A.C.

A.C., Generators. See GENERATORS, Electrical, A.C.

A.C., Inductors. See INDUCTORS, A.C.

A.C., Losses, Hard superconductivity. See SUPERCONDUCTIVITY, Hard, A.C. losses

A.C., Machines

Related Headings:

FREQUENCY, Changers

A.C., Machines, Asynchronous, Circle diagrams, Displays, Oscillographs

Relève oscillographique du diagramme de courant des machines asynchrones. Oscillographic display of the circle diagram for asynchronous machines [parallel French & English texts] A. Belot. International J. of Electrical Engng. Education, 4 (Apr 66) p.185-92. il. refs.

A.C., Machines, Equivalent circuits

Simple analogues of electrical machines. G.A. Battersby. International J. of Electrical Engng. Education, 4 (Apr 66) p.161-76. il.

A.C., Motors. See ELECTRIC MOTORS, A.C.

A.C., Motors. See ELECTRIC MOTORS, Synchronous

A.C., Parallel electrical conductors. See CONDUCTORS, Electrical, Parallel, A.C.

A.C., Polarography, Determination of zinc, Superphosphate. See SUPERHOSPHATE, Determination of zinc, Polarography, A.C.

A.C., Power supplies, Factories. See FACTORIES, Power supplies, A.C.

A.C., Probes, Oscilloscopes. See OSCILLOSCOPES, Probes, A.C.

A.C., Resistivity, Films, Caustic soda solutions, Anodising, Aluminium. See ALUMINIUM, Anodising, Solutions, Caustic soda, Films, Resistivity, A.C.

A.C., Resistivity, Films, Corrosion, Metals, Valves. See VALVES, Metals, Corrosion, Films, Resistivity, A.C.

A.C., Ripple, Rectifiers, Electroplating. See ELECTROPLATING, Rectifiers, A.C. ripple

A.C., Servomechanisms. See SERVOMECHANISMS, A.C.

A.C., Servomotors. See SERVOMOTORS, Electric, A.C.

A.C., Signals, Transmission, Radio. See RADIO, Transmission, Signals, A.C.

A.C., Solenoids. See SOLENOIDS, A.C.

A.C., Tachometers. See TACHOMETERS, A.C.

A.C., Transients, Analysis, Switches, Phase angle controlled, Rectifiers, Silicon controlled

Point on a cycle switch. R. A. Stevens. Electronic Engng., 38 (May 66) p.304-6. il. refs.

A.C., Voltmeters. See VOLTMETERS, A.C.

A.C., Wheatstone bridge resistance thermometers, Calorimeters. See CALORIMETERS, Thermometers, Resistance, Wheatstone bridge, A.C.

A.C.–D.C., Power transmission. See POWER TRANSMISSION, A.C.–D.C.

A.E.C. MANDATOR-SCAMMELL ARTICULATED VEHICLES. See MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator-Scammell

AER MACCHI MOTOR CYCLES. See MOTOR CYCLES, Types, AER Macchi

A.J.S. MOTOR CYCLES. See MOTOR CYCLES, Types, A.J.S.

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RAILWAYS, Electric, Abakan–Taishet

ABALONES, Flesh, Phospholipids

Phospholipids of marine origin. Pt. 4: abalone (Haliotis midae) A. J. de Koning. J. of Science of Food & Agriculture, 17 (Oct 66) p.460-4. refs.

ABATTOIRS. See SLAUGHTERHOUSES

ABBOTSINCH

See

AIRPORTS, Terminal buildings, Abbotsinch

ABERDEEN

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WATER, Engineering, Aberdeen

ABERDEEN. UNIVERSITY

University of Aberdeen. Official Architecture & Planning, 29 (Jan 66) p.129-30. il.

ABLATING LAMPS. See LAMPS, Ablating

ABLATION, Materials

Ablation. V. G. Bashford. Chemistry & Industry (5 Feb 66) p.224-8. il.

ABNORMALITY, Carburised steel. See STEEL, Carburised, Abnormality

ABRASION, Fabrics. See FABRICS, Abrasion

ABRASION, Metals. See METALS, Abrasion

ABRASION, Worsted, Yarns. See YARNS, Worsted, Abrasion

ABRASIVE BELTS, Centreless grinding. See GRINDING, Centreless, Abrasive belts

ABRASIVE SLURRIES. See SLURRIES, Abrasive

ABRASIVES

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DIAMONDS, Grit

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ABRASIVES, Vertical-spindle grinding machines. See GRINDING, Machines, Vertical-spindle, Abrasives

ABRONHILL SOUTH
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    HOUSING, Cumbernauld, Abronhill South

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ABSORBERS, Effect on neutron diffusion, Water moderated nuclear reactors. See NUCLEAR REACTORS, Water moderated, Neutron diffusion, Effect of absorbers

ABSORBERS, Neutrons, Homogeneous nuclear reactors. See NUCLEAR REACTORS, Homogeneous, Neutrons, Absorbers

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    CHEMISORPTION

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ABSORPTION, Carbon dioxide. See CARBON DIOXIDE, Absorption

ABSORPTION, Carbon dioxide, Water. See WATER, Carbon dioxide absorption

ABSORPTION, Chlorine, Water. See WATER, Chlorine absorption

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  Calculating plate efficiency of absorbers and strippers. Brit. Chemical Engng., 2 (Jun 66) p.508. il.

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ABSORPTION, Electrons, Electron microscopy, Single crystals, Silicon. See SILICON, Crystals, Single, Electron microscopy, Electron absorption

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ABSORPTION, Hydrogen sulphide. See HYDROGEN SULPHIDE, Absorption

ABSORPTION, Neutrons, Calibration, Plutonium–Beryllium, Sources, Neutrons. See NEUTRONS, Sources, Plutonium–Beryllium, Calibration, Neutron absoprtion

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ABSORPTION, Temperature, Gradients
  Influence of temperature gradients in rapid absorption-reaction. J. J. Carberry. Chemical Engng. Science, 21 (Oct 66) p.951-2. refs.

ABSORPTION, Urea, Urine. See URINE, Urea absorption

ABSORPTION, Water, Bricks. See BRICKS, Water absorption

ABSORPTION, Water, Effect on enzymes, Steeping, Malt production. See MALT, Production, Steeping, Enzymes, Effect of water absorption

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ABSORPTION FREQUENCY METERS, V.H.F. radio equipment, See RADIO, V.H.F., Equipment, Frequency meters, Absorption

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ABSORPTION SPECTROSCOPY, Crystals. See CRYSTALS, Spectroscopy, Absorption

ABSORPTION SPECTROSCOPY, Hexanitrodiphenyl complexes. See HEXANITRODIPHENYL COMPLEXES, Spectroscopy, Absorption

ABSORPTION SPECTROSCOPY, Ozone production. See OZONE, Production, Spectroscopy, Absorption

ABSORPTION SPECTROSCOPY, Single crystals. See CRYSTALS, Single, Spectroscopy, Absorption

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ABU SIMBEL TEMPLES
  Abu Simbel rescue operation. Quarry Managers' J., 50 (Apr 66) p.159-60. il.
  Engineers save the great temples. Engineering, 201 (21 Jan 66) p.127-9. il.
  Nubian temple rescue well under way. Civil Engng. & Public Works Rev., 61 (Jan 66) p.61-2. il.

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  Early years of the Académie des Sciences. D. McKie. Endeavour, 25 (May 66) p.100-3. il.

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  Analysis for residues of chlorinated insecticides and acaricides. K. I. Beynon & K. E. Elgar. Analyst, 91 (Mar 66) p.143-75. il. refs.

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ACCELERATED WEATHERING TESTS, Bitumen, Coatings. See COATINGS, Bitumen, Accelerated weathering tests

ACCELERATED WEATHERING TESTS, Yellowing, White alkyd resin paint. See PAINT, Alkyd resins, White, Yellowing, Accelerated weathering tests

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ACCELERATION, Plasmas. See PLASMAS, Acceleration

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  Stanford's long, long beam. D. W. Dupen. New Scientist, 30 (5 May 66) p.296-8. il.
  Two-mile linear electron accelerator at Stanford University, pt.1. Engineer, 222 (23 Sep 66) p.462-4. il.
  Two-mile linear electron accelerator at Stanford University. Engineer, 222 (30 Sep 66) p.510-12. il.

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  Massive construction to minute tolerances. Consulting Engr., 30 (Mar 66) p.40-2. il.

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  Installation of a 14 Mev neutron generator. K. G. Darrall & G. Oldham. Nuclear Energy (Jul/Aug 66) p.189-94. il.

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  Particle accelerators. Engineering, 202 (9 Sep 66) p.471-8. il.

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  "Hotter" ions with the HIPAC [heavy-ion plasma accelerator] New Scientist, 31 (21 Jul 66) p.148. il.

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    SYNCHROTRONS, Proton

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Voltage calibration of a 400 kv Van de Graaff machine. A.H. Jiggins& J.S. Bevan. J. of Scientific Instruments, 43 (Jul 66) p.478-9. il. refs.
ACCELERATORS, Vulcanisation, Rubber. See RUBBER, Vulcanisation, Accelerators
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Easily made device calibrates accelerometer [National Bureau of Standards Institute for Applied Technology] Instrument & Control Engng. (Jun 66) p.26-9. il.
ACCELEROMETERS, Diaphragm
Design for a diaphragm type accelerometer. N. Sion. Engineer, 221 (21 Jan 66) p.111-13. il. refs.
ACCELEROMETERS, Packaging testing. See PACKAGING, Testing, Accelerometers

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ACCIDENTS, Electrical equipment, Coal mining. See COAL, Mining, Electrical equipment, Accidents
ACCIDENTS, Game theory
Feedback in accident control. A. R. Cownie & J. H. Calderwood. Operational Research Q., 17 (Sep 66) p. 253-62- il. refs.
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- ACETIC ACID
- ACRYLIC ACID
- AMINO ACIDS
- 6-AMINOPENICILLANIC ACID
- ASCORBIC ACID
- BENZOIC ACIDS
- BORIC ACID
- CARBOXYLIC ACIDS
- CHLOROSULPHONIC ACID
- CHROMIC ACID
- CITRIC ACID
- CYCLOPROPENOID ACIDS
- E.D.T.A.
- ERUCIC ACID
- 2-ETHYLBUTYRIC ACID
- 5-FLUORO-OROTIC ACID
- GALLIC ACID

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- HYDROCHLORIC ACID
- HYDROFLUORIC ACID
- HYDROGEN CHLORIDE
- HYDROXAMIC ACIDS
- LINOLEIC ACID
- MALEIC ACID
- MALEIC ANHYDRIDE
- MALIC ACID
- NITRIC ACID
- NITRILOTRIACETIC ACID
- NITROUS ACID
- NUCLEIC ACIDS
- OXALIC ACID
- PERACETIC ACID
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- TANNIC ACID
- TRICHLOROACETIC ACID
- TRICHLOROISOCYANURIC ACID
- URSOLIC ACID

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ACIDS, Solutions, Mercury, Cathodes. See CATHODES, Mercury, Acid solutions
ACIDS, Solutions, Nickel anodes. See ANODES, Nickel, Acid solutions
ACIDS, Solutions, Platinum–Rhodium, Cathodes. See CATHODES, Platinum–Rhodium, Acid solutions
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ORLON
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POLYMETHYL METHACRYLATE

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AGRICULTURAL MACHINERY

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- GRAIN, Drying, Equipment
- GRASS, Cutting, Machines
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- MANURE, Spreading, Machines
- MOWERS, Flail
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AIR TRANSPORT
Related Headings:
AIRPORTS

AIR TRANSPORT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular countries & routes
- *Great Britain*
  - *Scotland*
- Europe
  - *West Germany*
  - *Austria*
- *Russia*
- Asia
  - *Middle East*
  - *Syria*
  - *Afghanistan*
  - *Pakistan*
  - *Japan*
- Africa
  - *South Africa*
- *Atlantic Ocean*
- North America
  - *U.S.A.*
  - *Mexico*
- South America

AIR TRANSPORT–SUBHEADINGS–Synopsis–*cont.*
- Particular countries & routes–*cont.*
    - *Brazil*
    - *Chile*
  - *Australia*
  - *New Zealand*

- *Education*

- Costs
  - *Load factor*

- Problems
  - *Obstructions*

- Equipment & Facilities
  - *Timetables*
  - *Booking offices*
  - *Terminal buildings*
  - *Radio*

- Operations
  - *Flight planning*
  - *Route organisation*
  - *Traffic control*
  - *Traffic forecasting*
  - *Seat reservation*

- Types of transport operations
  - *Military*

AIR TRANSPORT, Afghanistan
Afghanistan—the changing scene. Aeroplane, 112 (28 Jul 66) p.4-5. il.

AIR TRANSPORT, Atlantic Ocean
Traffic. Aeroplane, 111 (19 May 66) p.17-18. il.

AIR TRANSPORT, Australia
Chippindall reviews two-airline system (extract) Sir Giles Chippindall. Aeroplane, 112 (28 Jul 66) p.7

AIR TRANSPORT, Austria
Belvederes in Austria. Aeroplane, 111 (16 Jun 66) p.10. il.

AIR TRANSPORT, Booking offices, Interiors
Airline offices, Regent Street, London: interior design [EL AL (Israel) Airlines] Architectural Rev., 139 (Mar 66) p.217-20. il.
Airline office, Regent St., W.1. [El Al Israel Lines] Glass Age, 9 (May 66) p.28-9. il.

AIR TRANSPORT, Brazil
Sadia: leader from Sao Paulo. P. Clegg. Aeroplane & Commercial Aviation News, 111 (10 Mar 66) p.4-7. il.

AIR TRANSPORT, Chile
LAN-Chile: airline of the month. P. Clegg. Aeroplane, 111 (16 Jun 66) p.4-7. il.

AIR TRANSPORT, Costs
Is the ATA formula still valid? Aeroplane, 112 (7 Jul 66) p.21-2. il.
Operating costs in the jet age. Aeroplane, 112 (8 Sep 66) p.4+. il.
Vehicle millemile. R. Willis. Flight, 91 (20 Oct 66) p.665.+

AIR TRANSPORT, Education (Management) Computers
Instant management. Aeroplane, 112 (6 Oct 66) p.4-6

AIR TRANSPORT, Europe
Looking forward. Sir Anthony Milward. Aeroplane, 112 (28 Jul 66) suppt. p.3-6. il.
Swissair in Europe. Aeroplane, 112 (7 Jul 66) p.12-13. il.

AIR TRANSPORT, Flight planning
Sharp end. Aeroplane, 112 (28 Jul 66) suppt. p.28+. il.

AIR TRANSPORT, Freight. See FREIGHT, Transport, Air

AIR TRANSPORT, Great Britain
Aeroplane quick reference data: operations. Aeroplane, 112 (8 Sep 66) p.53-4
British air transport. R. E. G. Davies. J. of R. Aeronautical Soc., 70 (Jan 66) p.258-67. il.
Cambrian at the crossroads. R. Hankin. Aeroplane, 111 (12 May 66) p.8+. il.
Cool look at British transport. J. R. Karran. Flight, 89 (21 Apr 66) p.661-2
Eagle domestic jets. Flight, 89 (12 May 66) p.805-6. il.
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UK independents' traffic 1960-65: aeroplane quick reference data. Aeroplane, 112 (8 Dec 66) p.15-16

AIR TRANSPORT, Insect dissemination. See INSECTS Dissemination, Air transport

AIR TRANSPORT, Japan
Japan's domestic crisis. Aeroplane & Commercial Aviation News, 111 (21 Apr 66) p.4-7. il.

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Wasted seats in air transport. A. H. Milward. Inst. of Transport J., 31 (May 66) p.345-62. il.

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Mexico — strength in unity? Aeroplane, 112 (4 Aug 66) p.9-10. il.

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Twenty years of trend-setting [Middle East Airlines] R. Hankin. Aeroplane & Commercial Aviation News, 111 (27 Jan 66) p.4-7. il.

AIR TRANSPORT, Military
Military transport 66. J. Fricker. Aeroplane, 111 (30 Jun 66) p.17-24. il.

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Principal domestic operators. Aeroplane, 112 (25 Aug 66) p.8-10. il.

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Aircraft warning beacon. J. T. Grundy & R. F. Weston. Electrical Times, 149 (7 Apr 66) p.509-13. il. refs.

AIR TRANSPORT, Pakistan
PIA prospects reviewed. J. Bentley. Flight, 89 (24 Mar 66) p.471-2. il.

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AIR TRANSPORT, Radio, Stations, Sea
Ocean platforms as a solution to the North Atlantic problem. E. J. Guttridge. Flight, 89 (9 Jun 66) p.970-3. il.

AIR TRANSPORT, Route organisation
"Freedom of the air". Sir Frederick Tymms. J. of R. Aeronautical Soc., 70 (Mar 66) p.438-40

AIR TRANSPORT, Russia
Aeroflot: hidden half. Aeroplane, 112 (3 Nov 66) p.12+ il.
Aviation in the USSR. Pt.3: Aeroflot. J. French. Aeroplane & Commercial Aviation News, 110 (16 Dec 65) p.4-6. il.
Aviation in the USSR. Pt.4: Aeroflot. J. French. Aeroplane & Commercial Aviation News, 110 (30 Dec 65) p.4-6. il.

AIR TRANSPORT, Russia, Law
Russia's air code. D. Cooper. Aeroplane, 111 (19 May 66) p.8+

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BEA: operation outback. R. Hankin. Aeroplane, 112 (11 Aug 66) p.4-6. il.

AIR TRANSPORT, Seat reservation, Data processing

Automatic reservation message switching at BEA. W. R. McCreight. Data & Control Systems (Aug 66) p.32+. il.

Controlling BEA seat reservations [Univac 490 Computers] J. R. Fowling. Computer Bull., 10 (Jun 66) p.48-50. il.

AIR TRANSPORT, South Africa

South African Airways. D. May. Flight, 89 (28 Apr 66) p.696-9. il.

AIR TRANSPORT, Syria

Airline of the month: S.A.A.L. J. Seekings. Aeroplane, 111 (5 May 66) p.19+. il.

AIR TRANSPORT, Terminal buildings, Air conditioning, Cooling, Water, Reclamation, Sewage

Severe water shortage hampers expansion of air conditioning in Bombay. Heating & Ventilating Engr., 39 (Jan 66) p.393-4

AIR TRANSPORT, Textiles. See TEXTILES, Transport, Air

AIR TRANSPORT, Timetables, Printing, Design

Airline timetables. Brit. Printer, 79 (Apr 66) p.108-13. il.

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Operational control—ground or air orientated? R. Leiby. Aeroplane & Commercial Aviation News, 111 (27 Jan 66) p.16-17. il.

AIR TRANSPORT, Traffic control

Related Headings:

AIRCRAFT, Supersonic, Traffic control
HELICOPTERS, Traffic control

AIR TRANSPORT, Traffic control, Computers

Automation of British air traffic control services. A. P. Young & D. C. J. Watkins. Process Control & Automation, 13 (Nov 66) p.23-6. il. refs.

AIR TRANSPORT, Traffic control, Data processing

ATC data processing for German Air Force. World Aerospace Systems, 2 (Nov 66) p.422-4. il.

AIR TRANSPORT, Traffic control, Deviations, Costs

Costing air traffic control deviations. V. W. Attwooll. J. of Inst. of Navigation, 19 (Jan 66) p.99-106. il.

AIR TRANSPORT, Traffic control, Displays

Modular display & switching units for air traffic control consoles. K. Higham & A. D. Taylor. A.T.E. Journal, 22 (1966) p.26-31. il. ref

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Air traffic control today. J. Bentley. Flight, 91 (6 Oct 66) p.585-92. il.

UK ATC evolutes: review of 'Mediator'. M. Lumb. Aeroplane, 111 (5 May 66) p.31+. il.

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Parallel-route system for North Atlantic subsonic jet traffic. V. W. Attwooll. J. of Inst. of Navigation, 19 (Apr 66) p.187-97. il. refs.

AIR TRANSPORT, Traffic control, Radar, Mobile

Movable radar system [Plessey Radar Ltd.] Engineer, 221 (28 Jan 66) p.172-3. il.

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AIR TRANSPORT, Traffic control, Radar, Secondary

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Analysis of long-range air traffic systems: separation standards, pt.1. P. G. Reich. J. of Inst. of Navigation, 19 (Jan 66) p.88-98. il. refs

Analysis of long-range air traffic systems: separation standards, pt.2. P. G. Reich. J. of Inst. of Navigation, 19 (Apr 66) p.169-86. il. refs.

Analysis of long-range air traffic systems: separation standards, pt.3. P. G. Reich. J. of Inst. of Navigation, 19 (Jul 66) p.331-47. il. refs.

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North Atlantic separation: assessing the real collision risk. H. C. N. Goodhart. Flight, 90 (21 Jul 66) p.104

AIR TRANSPORT, Traffic control, Separation, North Atlantic—*cont.*

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AIR TRANSPORT, Traffic control, Separation, Vertical

Vertical separation, pt.2. Flight, 91 (13 Oct 66) p.625-6. il.

AIR TRANSPORT, Traffic control, Terrain clearance

Terrain clearance problems during climb and descent under air traffic control. T. Freer. J. of Inst. of Navigation, 19 (Apr 66) p.255-61

AIR TRANSPORT, Traffic forecasting

Traffic forecasting and the "gravity model". R. Doganis. Flight, 91 (29 Sep 66) p.547-9. refs.

AIR TRANSPORT, U.S.A.

Eastern: airline profile. A. Norman. Flight, 89 (17 Feb 66) p.273-7. il.

Look ahead for US air transport. Flight, 90 (21 Jul 66) p.98-9. il.

Look at the locals. R. E. R. Johnson. Aeroplane, 112 (24 Nov 66) p.12-14. il.

Robert E. Peach: president, Mohawk Airlines. Aeroplane & Commercial Aviation News, 111 (10 Mar 66) p.20

AIR TRANSPORT, West Germany

German airbus studies. Aeroplane & Commercial Aviation News, 111 (14 Apr 66) p.4-6. il.

AIR TRANSPORT—LAND TRANSPORT, Passenger modules

Surface/air integration: solution to airport delays? Design & Components in Engng. (22 Sep 66) p.6-9. il.

AIR TURBINES, Blades, Roots, Photoelasticity

Blade root for split disc experimental multi-stage air turbine. J. West & P. Ryan. Engineer, 220 (31 Dec 65) p.1077-9. il.

AIR–WATER, Flow, Turbulent, Pipes, Friction

Note on relationships between friction and liquid cross-sections during two-phase flow. D. Chisholm. J. of Mechanical Engng. Science, 8 (Mar 66) p.107-9. il. refs.

AIR–ZINC BATTERIES. See BATTERIES, Zinc–Air

AIR–ZINC BATTERIES, Electric motor vehicles. See MOTOR VEHICLES, Electric, Batteries, Zinc–Air

AIRCRAFT

Aeroplane quick reference data: turbine transport inventory. Aeroplane, 112 (28 Jul 66) p.12-15

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Another vintage year. Aeroplane & Commercial Aviation News, 110 (30 Dec 65) p.13+. il.

Big freighters. Aeroplane, 112 (27 Oct 66) p.24+. il.

Commercial aircraft of the world. Aeroplane & Commercial Aviation News, 111 (13 Jan 66) suppt. p.3+. il.

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Designed for reliability. A.C. Clinton. Tech Air, 22 (Feb 66) p.6-8. il. ref.

European air bus? E. C. Shepherd. New Scientist, 29 (10 Feb 66) p.354

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Influences on the development of aviation. H.R.H. Prince Philip. J. of R. Aeronautical Soc., 70 (Oct 66) p.893-900

Shape of aircraft to come (extract) D. Kuchemann. New Scientist, 31 (21 Jul 66) p.130-3. il.

Used-airliner market. Flight, 91 (27 Oct 66) p.726-7. il.

Vigour in aeronautics. E.C. Shepherd. New Scientist, 31 (7 Jul 66) p.12

AIRCRAFT

Related Headings:

AERODROMES
AERODYNAMICS
AEROFOILS

AIRCRAFT

Related Headings–cont.

- AIRSHIPS
- AUTOGYROS
- FLYING
- FLYING BOATS
- GLIDERS
- HELICOPTERS
- HELIPORTS
- ROYAL AERONAUTICAL SOCIETY
- SEAPLANES

AIRCRAFT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *History*
- Special localities
  - *Europe*

- *Research*
  - *Models*
- *Technical data*
- *Organisations*

- Problems
  - *Safety*
  - *Accidents*
    - *Collision rules*
  - Aerodynamics
    - *Autorotation*
    - *Turbulence*
    - *Stalling*
    - *Flutter*
  - *Vibrations*
    - *Noise*
  - *Icing*

- Operations
  - *Engineering*
    - *Design*
    - *Manufactures*
    - *Servicing*
  - *Inspection*
  - Fuelling
    - *Refuelling*
    - *Fuels*
  - *Navigation*
  - Testing
    - *Flight testing*
    - *Environmental testing*
  - *Tracking*

- Components & systems
  - *Components*
  - *Equipment*
    - *Spare parts*
  - *Structures*
    - *Wings*
    - *Undercarriages*
    - *Tyres*
  - *Cabins*
    - *Interior design*
    - *Cockpits*
    - *Seats*
  - *Ejection seats*
  - *Pipes*
  - *Hoses*
  - *Coatings*
    - *Paint*

AIRCRAFT–SUBHEADINGS–Synopsis–cont.

- *Engines*
  - *Gas turbines*
- *Brakes*

- *Systems*
  - *Hydraulic systems*
  - *Electrical equipment*
    - *Electrical generators*
    - *Static eliminators*
  - *Electronic systems*
    - *Radio equipment*
    - *Radar*
  - *Navigation systems*
    - *Gyrocompasses*
  - *Music systems*
- *Reliability*
  - *Control systems*
    - *Autopilots*
    - *Autostabilisers*
  - *Computers*
- Controls
  - *Air brakes*
  - *Spoilers*
- *Heating*
- Entertainment
- *Instruments*

- Performance
  - *Ground movement*

- Kinds of aircraft
  - *Historical*
  - *Low flying*
  - *Supersonic*
  - *Hypersonic*
  - *Short take off*
  - *Vertical take off*
  - *Light*
  - *Manpowered*
  - *Tilt wing*
  - *Military*
    - *Target*
  - *Naval*
  - *Types*

- Ancillaries
  - *Ground power units*
  - *Ground support equipment*
- Services using aircraft
  - *Rescue services*

AIRCRAFT, Accidents

Accidents: an unsatisfactory 1965. Aeroplane & Commercial Aviation News, 111 (6 Jan 66) p.18-20. il.

Air safety. Flight, 88 (16 Dec 65) p.1038. il.

Better second quarter. Aeroplane, 112 (7 Jul 66) p.15

Closing the gap in the control loop. Aeroplane, 112 (14 Jul 66) p.19

Jets are safer—but not safe enough. Flight, 88 (16 Dec 65) p.1039-41

Las Vegas—and after. T. Freer. Aeroplane & Commercial Aviation News, 111 (3 Mar 66) p.20. il.

Linate Argosy: approach positioning error. Aeroplane, 112 (1 Dec 66) p.30-1. il.

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AIRCRAFT, Accidents, Investigation
Scientific investigation of aircraft accidents. P. B. Walker. Instn. of Mechanical Engrs. Proc., 179 pt.1 (1964-65) p. 997-1014. il. refs.

AIRCRAFT, Accidents, Investigation, History
Story of air accident investigation by a onetime inspector. Sir Vernon Brown. J. of R. Aeronautical Soc., 70 (Jan 66) p.243-7

AIRCRAFT, Accidents, Statistics
Third quarter deterioration. Aeroplane, 112 (6 Oct 66) p.14-15

AIRCRAFT, Agricultural chemicals spreading. See AGRICULTURAL CHEMICALS, Spreading, Aircraft

AIRCRAFT, Air brakes
Air brakes and thrust reversers. Tech Air, 22 (Jan 66) p.14-15

AIRCRAFT, Air photography. See PHOTOGRAPHY, Air, Aircraft

AIRCRAFT, Autopilots
Autopilots become more efficient. F. H. Bevan & G. Belcher. Electronics Weekly (31 Aug 66) p.15

AIRCRAFT, Autorotation
Forced autorotation in the rolling motion of an aeroplane. G.R. Walsh. Aeronautical Q., 17 (Aug 66) p.269-84. il. refs.

AIRCRAFT, Autostabilisers, Design, Dynamic programming
Application of dynamic programming to the design of invariant auto-stabilisers. P. Dyer, A. R. M. Noton & D. Rutherford. J. of R. Aeronautical Soc., 70 (Apr 66) p.469-76. il.

AIRCRAFT, Bomber. See BOMBER AIRCRAFT

AIRCRAFT, Brakes
Hytrol mark 2 automatic anti-skid braking system [fitted to B.A.C. One-eleven 400 series aircraft] Aircraft Engng., 37 (Dec 65) p.382-4. il.

AIRCRAFT, Cabins
Cabin furnishing. Aeroplane, 112 (11 Aug 66) p.17-23. il.

AIRCRAFT, Cockpits, Design
Cockpit design breakthrough. F. Hawkins. Aeroplane, 111 (12 May 66) p.40+. il.

AIRCRAFT, Collision rules
More research needed on air collision avoidance. Electronics Weekly (8 Jun 66) p.12. il.

AIRCRAFT, Components
Aircraft accessories. J. H. Stevens. J. of R. Aeronautical Soc., 70 (Jan 66) p.221-6. il.

AIRCRAFT, Components, Aluminium alloys
Use of high strength aluminium alloys. D. James. J. of R. Aeronautical Soc., 70 (Aug 66) p.763-6. il.

AIRCRAFT, Components, Beryllium
Beryllium. C. J. Leadbeater. J. of R. Aeronautical Soc., 70 (Aug 66) p.781-7. il. refs.
Titanium, beryllium, and the refractory metals in the aircraft industry. A. R. G. Brown & K. S. Jepson. Instn. of Mechanical Engrs. Proc., 180 pt.3D (1965-66) p.75-89. il. refs.

AIRCRAFT, Components, Defects, Recording
Defect reporting and analysis. R. F. Philpott. Aeroplane, 112 (21 Jul 66) p.31-2

AIRCRAFT, Components, Metals, Fatigue
Metal fatigue. Tech Air, 22 (Oct 66) p.12-14. il.

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Titanium, beryllium, and the refractory metals in the aircraft industry. A. R. G. Brown & K. S. Jepson. Instn. of Mechanical Engrs. Proc., 180 pt.3D (1965-66) p.75-89. il. refs.

AIRCRAFT, Components, Plastics, Reinforced
First structural applications in aircraft. Brit. Plastics, 39 (Aug 66) p.436-40. il.

AIRCRAFT, Components, Polyester–Glass fibre
Development & production trials of Flomat moulding material [B.A.C. One-Eleven] R. Williams. Aircraft Engng., 38 (Jul 66) p.13-15. il.
''Flomat'' aircraft applications & processing data. Reinforced Plastics, 11 (Sep 66) p.12-15. il.

AIRCRAFT, Components, Rubber, Manufactures
Product support: new pattern by Dunlop. Tech Air, 22 (Oct 66) p.9-10. il.

AIRCRAFT, Components, Testing, Equipment
Instruments and equipment for testing. A. E. Bingham. J. of R. Aeronautical Soc., 70 (Feb 66) p.340-3

AIRCRAFT, Components, Testing, Equipment, Hydraulic
Test rigs for aircraft production [Tower] Fluid Power International, 30 (Dec 65) p.398-9. il.

AIRCRAFT, Components, Titanium
Titanium, beryllium, and the refractory metals in the aircraft industry. A. R. G. Brown & K. S. Jepson. Instn. of Mechanical Engrs. Proc., 180 pt.3D (1965-66) p.75-89. il. refs.

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Development of vibration test specifications for flight vehicle components. A. G. Piersol. J. of Sound & Vibration, 4 (Jul 66) p.88-115. il. refs.

AIRCRAFT, Computers, Storage units, Transfluxors
Transfluxor program store for an airborne digital computer. B. W. Rickard. Radio & Electronic Engr., 31 (May 66) p.270-6. il. refs.

AIRCRAFT, Control systems, Computers
Flight management by digital computers. E. S. Eccles. World Aerospace Systems, 2 (Jan 66) p.12+. il. refs.
FLIGHT RECORDERS

AIRCRAFT, Data storage. See FLIGHT RECORDERS

AIRCRAFT, Design
Aerodynamic and performance demands on aircraft design engineering. D. R. Newman. Instn. of Mechanical Engrs. Proc., 179 pt.1 (1964-65) p.1040-62. il. refs.
Fifth Halford memorial lecture: ''a survey, chiefly historical, but with a structural flavour, covering the period 1939-1964''. R. H. T. Harper. J. of R. Aeronautical Soc., 70 (Apr 66) p.477-86. il.
Future parameters of aircraft design. N. MacMillan. Tech Air, 22 (Jan 66) p.7-10.
Hindsight is always one hundred percent. B. S. Shenstone. J. of R. Aeronautical Soc., 70 (Jan 66) p.131-4

AIRCRAFT, Design, Great Britain
British aircraft design. N. Macmillan. J. of R. Aeronautical Soc., 70 (Jan 66) p.121-31. il.

AIRCRAFT, Detection, Submarines. See SUBMARINES, Detection, Aircraft

AIRCRAFT, Ejection seats
Ejection seats. Sir James Martin. J. of R. Aeronautical Soc., 70 (Jan 66) p.276-9. il.
Safety for service aircrew: development of Martin-Baker ejection seat (summary) J. Jewell. Flight, 88 (16 Dec 65) p.1043-6. il.

AIRCRAFT, Electrical equipment, Education equipment
Educational apparatus for aircraft electrics. J. T. Hayden. Electrical Rev., 178 (6 May 66) p.675-7. il.

AIRCRAFT, Electrical equipment, Insulating materials, Environmental testing
Evaluation of electrical insulating materials by environmental testing. F. Starr. Environmental Engng. (Sep 66) p.21-6. il. refs.

AIRCRAFT, Electrical generators, Environmental testing, Equipment
Simulation of altitude climatic conditions for aircraft electrical equipment. B. Padgett. Instn. of Mechanical Engrs. Proc., 180 pt.3A (1965-66) p.85-93. il. refs.

AIRCRAFT, Electronic systems
Avionics today: current developments. Aeroplane, 112 (21 Jul 66) p.19 . il.
Avionics today: historical background. Aeroplane, 112 (21 Jul 66) p.17-18. il.
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Discourse. Sir Robert Watson-Watt. J. of R. Aeronautical Soc., 70 (Jan 66) p.232-4
Electronics '66. Flight, 91 (13 Oct 66) p.627-30. il.
In spite of everything, British avionics is thriving. R. Pretty. Electronics Weekly (31 Aug 66) p.13. il.

AIRCRAFT, Electronic systems, Checking equipment
Automatic testing [TRACE] A. E. Barnes. World Aerospace Systems, 2 (Apr 66) p.138-40. il.
Honeywell's R.F. Probe. Tech Air, 22 (Feb 66) p.28-9. il.

AIRCRAFT, Electronic systems, Components, Thermal cycling, Equipment
Apparatus for continuous thermal cycling of electronic components. S. J. Borgars. J. of Scientific Instruments, 43 (Feb 66) p.118-19. il. refs.

AIRCRAFT, Electronic systems, Interference
Radio frequency interference control. A. S. Evans & D. J. Lewis. Environmental Engng. (Jan 66) p.11-16. il.

AIRCRAFT, Electronic systems, Manufactures, Great Britain
Electronics '66: who makes what. Flight, 91 (13 Oct 66) p.631-9. il.

AIRCRAFT, Electronic systems, Manufactures, U.S.A.
Industry within industry: American avionics abroad. B. Clarke. Aeroplane & Commercial Aviation News, 111 (14 Apr 66) p.15+. il.

AIRCRAFT, Electronic systems, Reliability
Present practices and future requirements for the achievement of aircraft reliability: sub-contractor's point of view. L. R. Mullin. J. of R. Aeronautical Soc., 70 (Mar 66) p.401-3
Problems of electronics. N. J. Smith. J. of R. Aeronautical Soc., 70 (Mar 66) p.408-10

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ANEMOMETERS

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TOWN PLANNING, Albertslund

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BREWING
CIDERS
SPIRITS
WINES

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ACETYLMETHYLCARBINOL
ALKOXY ALCOHOLS
AMYL ALCOHOLS
ETHYL ALCOHOL
ETHYLENE GLYCOL
FATTY ALCOHOLS
GLYCEROL
ISOBUTYL ALCOHOL
ISOPRENOID ALCOHOLS
ISOPROPYL ALCOHOL
L-*trans para*-MENTHADIEN-OL-2
MERCAPTANS
METHYL ALCOHOL
5-METHYLFURFURYL ALCOHOL
MONOBUTYLIDENE GLUCITOL
1-PHENYLPENT-1-EN-4-YN-3-OL
PHLOROGLUCINOL
PHYTOL
PHYTOL EPOXIDES

ALCOHOLS
Related Headings–*cont.*
PROPYL ALCOHOL
PROPYLENE GLYCOL
TERPINEN-4-OL
1-TETRADECANOL
TETRAHYDROFURFURYL ALCOHOL
3,5,5-TRIMETHYLHEXANOL

ALCOHOLS, Determination, Brandy. See BRANDY, Determination of alcohols

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ALFORD
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  - TELESCOPES, Radio, Algonquin

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ALGORITHMS, Minimax approximations, Functions. See FUNCTIONS, Minimax approximations, Algorithms

ALGORITHMS, Pseudo-inverses, Singular matrices. See MATRICES, Singular, Pseudo-inverses, Algorithms

ALGORITHMS, Scheduling, Production management. See PRODUCTION, Management, Scheduling, Algorithms

ALGORITHMS, Shortest routes, Networks. See NETWORKS, Shortest routes, Algorithms

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ALIGNMENT, Entrance slits, Direct reading emission spectroscopy. See SPECTROSCOPY, Emission, Direct reading, Entrance slits, Alignment

ALIGNMENT, Microscopes, Coordinate determination, Photographs, Diffraction, X-rays. See X-RAYS, Diffraction, Photographs, Coordinates, Determination, Microscopes,

ALIGNMENT, Optical, Shafts. See SHAFTS, Alignment,
Alignment
Optical

ALIGNMENT, Rails, Permanent way. See PERMANENT WAY, Rails, Aligning

ALIPHATIC COMPOUNDS
- Related Headings:
  - ACETALDEHYDE
  - *N*-ACETAMIDO ACID
  - ACETIC ACID
  - ACETIC ANHYDRIDE
  - ACETONE
  - ACETYLENE
  - ACETYLMETHYLCARBINOL
  - ALDEHYDES, Aliphatic
  - ALKYL ACETATES
  - ALKYL BROMIDES
  - ALKYL CHLORIDES
  - ALKYL HALIDES
  - ALKYL RADICALS
  - ALLYL DIGLYCOL CARBONATE
  - ALLYLIC CHLORIDES
  - ALLYLTHIOUREA
  - 3–AMINOCROTONATES
  - AMMONIUM OLEATE
  - AMYL ALCOHOLS
  - BROMOCHLORODIFLUOROMETHANE
  - BUTADIENE
  - BUTANE
  - *t*-BUTYL HYDROPEROXIDES
  - CHLOROFORM
  - CITRATES
  - CITRIC ACID
  - COPPER ETHYLACETOACETATE
  - CROTONAMIDES
  - *N*–DECANE
  - ββ-DIAMINOETHYL DISULPHIDE DIHYDROCHLORIDE
  - DI-*t*-BUTYL NITROXIDE
  - DI-*t*-BUTYLPEROXIDE
  - DI-*t*-BUTYL TRIOXIDE
  - DIACETYL
  - 2,3-DICHLOROACRYLONITRILE
  - DIMETHYLAMINE
  - DIMETHYL-2, 2-DICHLOROVINYL PHOSPHATE
  - DIMETHYLFORMAMIDE

ALIPHATIC COMPOUNDS
- Related Headings–*cont.*
  - DIMETHYLGLYOXIME
  - DIMETHYLSULPHOXIDE
  - DODECYLAMINE
  - ERUCIC ACID
  - ETHANOLAMINE
  - ETHYL ALCOHOL
  - 2-ETHYLBUTYRIC ACID
  - ETHYLENE
  - ETHYLENE GLYCOL
  - ETHYLENE GLYCOL DIMETHACRYLATE
  - FATTY ACIDS
  - FATTY ALCOHOLS
  - FATTY ESTERS
  - FORMALDEHYDE
  - FORMAMIDE
  - FORMATES
  - GLUCONATES
  - GLYCEROL
  - GLYOXAL
  - HEPTANE
  - HEPTENES
  - HEXANE
  - HYDROCARBONS, Aliphatic
  - ISOBUTYL ALCOHOL
  - ISOPRENE
  - ISOPROPENYL ACETATE
  - ISOPROPYL ALCOHOL
  - LAURYL ACRYLATE
  - LAURYL METHACRYLATE
  - LINOLEIC ACID
  - MALEIC ACID
  - MALIC ACID
  - MERCAPTANS
  - β-MERCAPTO-ETHYLAMINE HYDROCHLORIDE
  - METHACRYLATE
  - METHANE
  - METHYL ACETATE
  - METHYL ALCOHOL
  - METHYL BROMIDE
  - METHYL ESTERS
  - METHYL GERANATE
  - METHYL METHACRYLATE
  - 4–METHYL–4–METHOXY–2–PENTANOL
  - MONOETHANOLAMINE
  - NITRILOTRIACETIC ACID
  - OXALIC ACID
  - PARAFFINS
  - PERCHLOROETHYLENE
  - PROPANE
  - PROPIONALDEHYDE
  - PROPIONIC ACID
  - *n*-PROPYL ACRYLATE
  - PROPYL ALCOHOL
  - PROPYLENE GLYCOL
  - SODIUM ACETATE
  - STEAROLIC ACID
  - TANNIC ACID
  - 1-TETRADECANOL
  - TETRAETHYL LEAD
  - TETRAMETHYL LEAD
  - THIOUREA
  - TRI-BETA-CHLOROETHYL PHOSPHATE
  - TRIBUTYL PHOSPHATE
  - TRICHLOROACETIC ACID
  - TRICHLOROETHYLENE
  - TRIERUCIN
  - TRIETHYLAMINE
  - TRILINOLEIN
  - TRIMETHYLALUMINIUM
  - 3,5,5-TRIMETHYLHEXANOL

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    VINYL-*iso*-BUTYL ETHER

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ALKALINE EARTH ALUMINOSILICATE GLASS. See GLASS, Alkaline earth aluminosilicate

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ALKALIS
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    AMMONIA
    CAUSTIC SODA

ALKALIS, Effect on hydration, Clinker compounds, Cement. See CEMENT, Clinker compounds, Hydration, Effect of alkalis

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ALKALIS, Solutions, Carbon dioxide absorption. See CARBON DIOXIDE, Absorption, Alkaline solutions

ALKALIS, Solutions, Nitrophenols. See NITROPHENOLS, Alkaline solutions

ALKALIS, Solutions, Rotating disc silver electrodes. See ELECTRODES, Silver, Rotating disc, Alkaline solutions

ALKALIS, Solutions, Water, Solvent extraction, Formates. See FORMATES, Solvent extraction (Water) Alkaline solutions

ALKALOIDS
  Related Headings:
    2-ACYLINDOLE
    CAPSAICIN
    CARBINOLAMINE ALKALOIDS
    LYTHRIDINE METHIODIDE

ALKALOIDS, Fagara rhoifolia. See FAGARA RHOIFOLIA, Alkaloids

ALKALOIDS, Vinca major L. See VINCA MAJOR L., Alkaloids

ALKANES. See PARAFFINS

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ALKYLARYL SULPHONATES, Determination in water. See WATER, Determination of alkylaryl sulphonates

ALKYLATION, 9-Alkyladenine-1-oxides, 1-Alkoxy-9-alkyladenine salt production. See 1-ALKOXY-9-ALKYLADENINE SALTS, Production, 9-Alkyladenine-1-oxides, Alkylation

ALKYLATION, Humic acids, Lignite. See LIGNITE, Humic acids, Alkylation

6-ALKYL-5-CYANOURACILS, 1-Substituted, Production

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ALLOYS, Eutectic. See EUTECTIC ALLOYS

ALLOYS, Eutectic, Aluminium–Silicon. See ALUMINIUM–SILICON, Eutectic alloys

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ALMONDSBURY

See

FLYOVERS, Almondsbury

ALPHA CENTURI MOTOR CYCLES. See MOTOR CYCLES, Types, Alpha Centuri

ALPHA IRON. See IRON, Alpha

ALPHA METHYL GLUCOSIDE ESTER, Effect on crystallisation, Massacuite, Sugar. See SUGAR, Massacuite, Crystallisation, Effect of alphamethyl glucoside ester

ALPHA RADIATION, Counters. See COUNTERS, Alpha particle

ALPHA RADIATION, Determination, Drinking water. See WATER, Drinking, Determination of alpha particles

ALPHA RADIATION, Initiation, Gas discharge. See GAS DISCHARGE, Initiation, Alpha radiation

ALPHA RADIATION, Irradiation, Lungs. See LUNGS, Irradiation, Alpha radiation

ALPHA ROMEO GIULIA SUPER CARS. See MOTOR CARS, Types, Alpha Romeo Giulia Super

ALPHA ROMEO RACING CARS. See MOTOR CARS (Racing) Types, Alpha Romeo

ALTERNATING CURRENT. See A.C.

ALTERNATING DIRECTION IMPLICIT METHODS, Numerical solutions, Dirichlet problem, Laplace difference equations. See DIFFERENCE EQUATIONS, Laplace, Dirichlet problem, Numerical solutions, Alternating direction implicit methods

ALTERNATING ELECTROMAGNETIC FIELDS, Excitation, Ion waves, Cylindrical plasmas. See PLASMAS, Cylindrical, Ion waves, Excitation, Electromagnetic fields, Alternating

ALTERNATING FLOW HYDRAULIC MACHINERY. See HYDRAULIC MACHINERY, Alternating flow

ALTERNATING MILLIVOLTAGE. See MILLIVOLTAGE, Alternating

ALTERNATING VOLTAGE. See VOLTAGE, Alternating

ALTERNATORS

Related Headings:

GENERATORS, Electrical, Induction
TURBO-ALTERNATORS

ALTERNATORS, Brushless, Communications engineering. See COMMUNICATIONS, Engineering, Alternators, Brushless

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ALTERNATORS, Reforming, Light petroleum distillates, Town gas production. See GAS (Town) Production, Light petroleum distillates, Reforming, Alternators

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ALUM, Recovery, Sludge, Coagulation, Water. See WATER, Coagulation, Sludge, Alum recovery
ALUMINA
Related Headings:
CORUNDUM

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ALUMINA, Ceramics, Electrical insulating materials, Microwave electron tubes. See ELECTRON TUBES (Microwave) Insulating materials, Ceramics, Alumina
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ALUMINA, Sintered, Inserts, Dies, Cold drawing, Steel, Wires. See WIRES, Steel, Drawing, Cold, Dies (Inserts, Alumina, Sintered)
ALUMINA, Substrates, Deposition, Epitaxial silica, Films. See FILMS, Silica, Epitaxial, Deposition, Substrates, Alumina
ALUMINA–ALUMINIUM. See ALUMINIUM–ALUMINA
ALUMINA–NICKEL, Electroplate. See ELECTROPLATE, Nickel–Alumina
ALUMINA–SILICATES, Layered clay soil. See SOIL, Clay, Layered, Alumina–Silicates
ALUMINISED STEEL, Heat exchangers, Town gas appliances. See GAS (Town) Appliances, Heat exchangers, Steel, Aluminised
ALUMINISING, Mild steel, Strips. See STRIPS, Steel, Mild, Aluminising
ALUMINISING, Steel, Sheets. See SHEETS, Steel, Aluminising
ALUMINISING, Steel, Wires. See WIRES, Steel, Aluminising

ALUMINIUM–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Physico-chemical aspects
  - *Plastic deformation*
  - *Cracks*
  - *Creep*
  - *Crystals*
    - *Dislocations*
    - *Vacancies*
  - *Resistivity*
  - *Solubility*
  - *Corrosion*
  - *Beryllium separation*

- Technical processes
  - *Metallurgy*
  - *Production*
  - *Manufactures*
    - *Melting*
    - Casting
      - *Die casting*
    - *Forming*
    - *Extrusion*
    - *Heat treatment*
    - Joining
      - *Welding*
        - *Brazing*
    - *Cleaning*
    - Finishing
      - *Painting*
      - *Anodising*

- Kinds of aluminium
  - *Cold worked*
  - *Extruded*
  - *Rolled*
  - *Annealed*
  - *Quenched*
  - *Reinforced*

- Aluminium products
  - *Castings*

- Fields of application
  - *Engineering materials*
    - *Public works engineering*
  - *Building materials*

- *Alloys*

ALUMINIUM
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ALUMINIUM
Related Headings:
ORGANOALUMINIUM COMPOUNDS
ALUMINIUM, Alloys
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ALUMINIUM, Alloys, Aircraft components. See AIRCRAFT, Components, Aluminium alloys
ALUMINIUM, Alloys, Bars. See BARS, Aluminium alloys
ALUMINIUM, Alloys, Bodies, Vans. See VANS, Bodies, Aluminium alloys
ALUMINIUM, Alloys, Boosters, Astronautics vehicles. See ASTRONAUTICS, Vehicles, Boosters, Aluminium, Alloys

ALUMINIUM, Alloys (Casting)
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ALUMINIUM, Alloys, Casting, Moulds, Plaster
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ALUMINIUM, Alloys (Casting) **Quality control**
Control of quality of aluminium casting alloys. F. H. Smith. Production Engr., 45 (Jan 66) p.31-42. il.

ALUMINIUM, Alloys, Castings
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ALUMINIUM, Alloys, Castings, Design
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ALUMINIUM, Alloys, Castings, Welding
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ALUMINIUM, Alloys, Containers, Freight. See FREIGHT, Containers, Aluminium alloys.

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ALUMINIUM, Alloys, Electroplating, Bronze
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ALUMINIUM, Alloys, Foil. See FOIL, Aluminium alloys

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ALUMINIUM, Alloys, I-section beams. See BEAMS, I-section, Aluminium, Alloys

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ALUMINIUM, Alloys, Municipal sanitation equipment. See SANITATION, Municipal, Equipment, Aluminium alloys

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ALUMINIUM, Alloys, Portal frames. See PORTAL FRAMES, Aluminium alloys

ALUMINIUM, Alloys, Reinforced, Wires, Steel, Stainless
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ALUMINIUM, Alloys, Sewing machine components. See SEWING, Machines, Components, Aluminium, Alloys

ALUMINIUM, Alloys, Sheets. See SHEETS, Aluminium alloy

ALUMINIUM, Alloys, Stress corrosion, Microstresses
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ALUMINIUM,Alloys, Structures, Military aircraft. See AIRCRAFT, Military, Structures, Aluminium alloys

ALUMINIUM, Alloys, Tanks, Petroleum, Rail tankers. See TANKERS, Rail, Petroleum, Tanks, Aluminium alloys

ALUMINIUM, Alloys, Tanks, Petroleum, Road tankers. See TANKERS, Road, Petroleum, Tanks, Aluminium alloys

ALUMINIUM, Alloys, Transition rings, Launchers, Astronautics vehicles. See ASTRONAUTICS, Vehicles, Launchers, Transition rings, Aluminium, Alloys

ALUMINIUM, Annealed, Fatigue, Tension–Torsion, Cyclic
On second-order strain accumulation in torsion fatigue. M. Ronay. J. of Inst. of Metals, 94 (Nov 66) p.392-4. il. refs.

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ALUMINIUM, Blocks, Engines, Motor cars. See MOTOR CARS, Engines, Blocks, Aluminium

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NUCLEOSIDES
ORNITHINE
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3–AMINOCROTONATES–1, 4–BENZOQUINONE, Isomeric indole production. See INDOLE, Isomers, Production, 1, 4–Benzoquinone–3–Aminocrotonates

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CHRONOAMPEROMETRY

AMPEROMETRIC TITRATIONS, Cyclamate determination, Sweeteners, Soft drinks. See DRINKS, Soft, Sweeteners, Cyclamates, Determination, Amperometric titrations

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AMYLASES
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DEXTRINASE

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α-AMYLASES, Effect on viscosity, Paste, Cooked flour. See FLOUR, Cooked, Paste, Viscosity, Effect of α-amylase

AMYLASES, Liquefaction, Pastes, Wheat, Starch. See STARCH, Wheat, Pastes, Liquefaction, Amylases

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Related Headings:
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ASTRONAUTICS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Education
Research
International co-operation

Vehicles
  Transporters

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- *Flights*
  - *Rendezvous operations*
  - *Shock waves*
  - *Clothing*
  - *Interstellar*

- Uses
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ASTRONOMICAL EQUIPMENT
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ASYMMETRIC NOZZLES, Exhaust systems, Turbojets, Supersonic aircraft. See AIRCRAFT, Supersonic, Turbojets, Exhaust systems, Nozzles, Asymmetric

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BISHOP'S STORTFORD
See
TOWN PLANNING, Bishop's Stortford

BISMUTH, Corbino discs. See CORBINO DISCS, Bismuth

BISMUTH, Determination, Lead. See LEAD, Determination of bismuth

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BISON WALL FRAME SYSTEM, Prefabrication, Housing. See HOUSING, Prefabrication, Bison wall frame system

BISTABLE MULTIVIBRATORS. See MULTIVIBRATORS, Bistable

BITS, Drills, Rock. See ROCK, Drills, Bits

BITS, Soldering irons. See SOLDERING, Irons, Bits

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BITUMEN
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ASPHALT
TAR

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BITUMINOUS COAL. See COAL, Bituminous

BLACK ASBESTOS, Coatings, Tanks, Storage, Chemicals. See CHEMICALS, Storage, Tanks, Coatings, Black asbestos

BLACK GRANITE. See DIORITE

BLACKBOARDS, Lecture halls. See LECTURE HALLS, Blackboards

BLACKBURN
See
TRAMWAYS, Blackburn

BLACKHEART MALLEABLE IRON. See IRON, Malleable, Blackheart

BLACKPOOL
See
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TRAMWAYS, Blackpool

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BLAST FURNACES, Zinc production. See ZINC, Production, Blast furnaces

BLASTING

Related Headings:

DETONATORS

BLASTING, Coal mining. See COAL, Mining, Blasting

BLASTING, Coal mining. See COAL, Mining, Explosives

BLASTING, Ditching, Drainage, Land. See LAND, Drainage, Ditching, Blasting

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BLASTING, Mining. See MINING, Blasting

BLASTING, Quarrying. See QUARRYING, Blasting

BLASTING, Shot, Concrete, Cladding, Buildings. See BUILDINGS, Cladding, Concrete, Shot blasting

BLASTING, Tunnels, Tail races, Hydroelectric power stations. See HYDROELECTRIC POWER STATIONS, Tail races, Tunnels, Blasting

BLEACHING, Cellulosic fabrics. See FABRICS, Cellulosic, Bleaching

BLEACHING, Desized cotton fabrics. See FABRICS, Cotton, Desized, Bleaching

BLEACHING, Fabrics. See FABRICS, Bleaching

BLEACHING, Knitted fabrics. See FABRICS, Knitted, Bleaching

BLEACHING, Knitted man-made fibres, Fabrics. See FABRICS, Man-made fibres, Knitted, Bleaching

BLEACHING, Pulp production. See PULP, Production, Bleaching

BLEACHING, Scoured cotton fabrics. See FABRICS, Cotton, Scoured, Bleaching

BLEACHING, Textiles. See TEXTILES, Bleaching

BLEACHING, Wool. See WOOL, Bleaching

BLENDED ACRYLIC FIBRES, Yarns. See YARNS, Acrylic fibres, Blended

BLENDED BRICKS. See BRICKS, Blended

BLENDED DACRON FABRICS. See FABRICS, Dacron, Blended

BLENDED MAN-MADE FIBRES, Fabrics, Trousers. See TROUSERS, Fabrics, Man-made fibres, Blended

BLENDED RAYON FABRICS. See FABRICS, Rayon, Blended

BLENDED WORSTED FABRICS. See FABRICS, Worsted, Blended

BLENDERS, Ribbon, Mixing, Powders, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Powders, Mixing, Ribbon blenders

BLENDING. See MIXING

BLENDING, Malt. See MALT, Blending

BLENDING, Man-made fibres, Yarns. See YARNS, Man-made Fibres, Blending

BLENDING, Petrol. See PETROL, Blending

BLENDING, Stack, Woollen yarns. See YARNS, Woollen, Blending, Stack

BLENDING, Sugar cane, Sugar production. See SUGAR, Production, Sugar cane, Blending

BLIND PEOPLE, Hostels. See HOSTELS, Blind people

BLISTERING, Mild steel, Tanks, Storage, Sulphuric acid. See SULPHURIC ACID, Storage, Tanks, Steel, Mild, Blistering

BLOATING, Vitreous sanitary ware. See SANITARY WARE, Vitreous, Bloating

BLOCKAGE EFFECTS, Tanks, Model tests, Ships. See SHIPS, Model tests, Tanks, Blockage effects

BLOCKAGE EFFECTS, Wind tunnels, Blunt based bodies of revolution. See BODIES OF REVOLUTION, Blunt based, Wind tunnels, Blockage effects

BLOCKING, Gold foil, Decorative packaging, Cosmetics. See COSMETICS, Packaging, Decorative, Foil, Gold, Blocking

BLOCKS, Aluminium, Engines, Motor cars. See MOTOR CARS, Engines, Blocks, Aluminium

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BLOW MOULDING, Cans, Food. See FOOD, Cans, Blow moulding

BLOW MOULDING, Polythene. See POLYTHENE, Moulding, Blow

BLOW MOULDING, Polythene, Bottles, Milk. See MILK, Bottles, Polythene, Moulding, Blow

BLOW MOULDING, Polythene, Container manufactures. See CONTAINERS, Polythene, Manufactures, Moulding, Blow

BLOW MOULDING, Thermoplastics. See THERMOPLASTICS, Moulding, Blow

BLOW MOULDING, Thermoplastics, Bottles. See BOTTLES, Thermoplastics, Blow moulding

BLOW MOULDING, Thermoplastics, Containers. See CONTAINERS, Thermoplastics, Moulding, Blow

BLOWERS, Snow clearance, Roads. See ROADS, Snow clearance, Blowers

BLOWING AGENTS, Extrusion–Expansion, Thermoplastics. See THERMOPLASTICS, Extrusion–Expansion, Blowing agents

BLUE BRITTLENESS, Mild steel, Wires. See WIRES, Steel, Mild, Brittleness, Blue

BLUE GAS. See WATER GAS

BLUE WATER GAS. See WATER GAS

BLUEBIRD HIGHWAYMAN AUTOMATIC MOTOR CARAVANS. See MOTOR CARAVANS, Types, Bluebird Highwayman Automatic

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BOARD, Paper, Cartons. See CARTONS, Paper board

BOARD, Paper, Containers. See CONTAINERS, Board

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Variability of board substance. F. D. Munday. What We Are Doing (Dec 65) p.35-6. il.

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BOATS
Related Headings:
DINGHIES

BOATS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Equipment
  - *Hand tools*
- Technical operations
  - *Building*
- Materials
  - *Plastics*
  - *Wood*
- Components
  - *Hulls*
  - Propulsion system
    - *Water-jet propulsion*
- Kinds of boats
  - *Motor*
  - *Steam*
  - *Catamaran*
  - *Naval*

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BOATS, Flying. See FLYING BOATS
66) p.72-4. il.

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Getting to terms with the sea. B. Fraser. Motor Boat, 103 (17 Dec 65) p.38-40. il.

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Original canal cruiser: 24ft., 4-5 berth Skylark. Motor Boat, 105 (4 Nov 66) p.41-4. il.

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Small craft of the Navy. J. E. Pope. Motor Boat, 104 (3 Jun 66) p.56-9. il.

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18-foot sternwheeler [P.S. ''Bunyip''] H. F. Goldup, Jr. Light Steam Power, 15 (Sep/Oct 66) p.242-4. il.

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Emphasis on one-man single-deckers. D. Moses. Commercial Motor, 124 (16 Sep 66) p.176-8. il.

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One-man single deckers prominent. Transport World (Sep 66) p.63-4. il.

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Bodywork for 1967: bus & coach design. Passenger Transport, 129 (Oct 66) p.426+. il.

What can British bodybuilders offer overseas? A. A. Townsin. Bus & Coach, 38 (Mar 66) p.89-92. il.

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Body maintenance—how much is needed? P.G. Bland. Bus & Coach, 38 (Jul 66) p.228-34. il.

BODIES (Buses) Painting

Traditional painting methods take some beating. A.A. Townsin. Bus & Coach, 38 (Jul 66) p.257-8. il.

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No standardization—who is to blame? D. Moses. Commercial Motor, 123 (13 May 66) p.77-80. il.

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Building the "Zodiac" estate car. Motor Body, 136 (Feb 66) p.16+. il.

Car that "just grew" [Land Rover, Rover Co. Ltd.] Motor Body, 136 (May 66) p.19+. il.

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Building the lorry body—the first stages. F. Jakeman. Motor Body, 136 (Jan 66) p.25-6. il.

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Triumph 1300. Pt. 3: braking system, unitary body structure, and electrical equipment. Automobile Engr., 56 (Aug 66) p.340-7. il.

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Car with a bouncy body [Marbon Cycolac research car] Engineering, 201 (20 May 66) p.949. il.

History and development of the "Cycolac" research vehicle. Motor Body, 136 (Jul 66) p.31+. il.

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Development of an expanded thermoplastic for small scale body production, pt.1. Motor Body, 136 (Nov 66) p.10+. il.

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Big fleas have little fleas: bodywork. Motor (11 May 66) p.40-1. il.

BODIES (Motor cars) Components, Rolling, Cold

Car body components by cold rolling. Mass Production, 42 (Oct 66) p.115-16. il.

BODIES (Motor cars) Design

Design and the B.M.C. "1800". D. Owen. Motor Body, 136 (Feb 66) p.10+. il.

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Passenger car bodies: ergonomic aspects of interior design. Automotive Design Engng., 5 (Jun 66) p.71-3. il.

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'Turtle Wax' packaging scheme. Packaging, 37 (Oct 66) p.66-8. il.

BODIES (Motor cars) Manufactures

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Structural materials in the motor industry. J. D. McLintock. Anti-Corrosion Methods & Materials, 1 (Jan 66) p.12-14. il.

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Stirling Moss paint-a-car system. P. T. Culshaw. Surface Coatings, 2 (Feb 66) p.74-5. il.

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Acrylic finishing at General Motors, Quebec. F. D. Johnson. Product Finishing, 19 (Sep 66) p.56+. il.

Thermosetting acrylic resins in motor car enamels. F. E. Ruddick & P. F. Sharp. Surface Coatings, 2 (May 66) p.166+. il. refs.

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Polishing machine for the evaluation of the polishing properties of automotive finishes [I.C.I. Ltd.] C. J. H. Monk & D. W. Adamson. J. of Oil & Colour Chemists' Ass., 49 (May 66) p.390-9. il.

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Production line painting at Vauxhall's Luton plant. R. Falconer. Surface Coatings, 2 (Feb 66) p.58-61. il.

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Prefabricated booth/oven for low-bake refinishing [Fulford Spraybooths Ltd.] Industrial Finishing, 18 (May 66) p.44+. il.

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For that showroom look. Industrial Gas, 52 (Jun 66) p.100-2. il.

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Body painting at Fiat. Mass Production, 42 (Jul 66) p.58-9
Economical refinishing in combined plant [Auto Service Garage (Bournemouth) Ltd.] Surface Coatings, 2 (Nov 66) p.429-31. il.
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Three primer coats used for Canadian Chrysler finishing. Industrial Finishing, 18 (Mar 66) p.26+. il.

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Place of plastics in body construction. J. D. McLintock. Motor Body, 136 (Jul 66) p.8
Plastics and the future. Automobile Engr., 56 (Feb 66) p.41

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Experience with glass-fibre bodywork in high-performance cars [The Lotus Car Co.] D. Owen. Motor Body, 136 (Jul 66) p.25+. il.

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Designing in press-moulded GRP: data sheet 50 (extracts) Automotive Design Engng., 5 (Oct 66) p.95-6. il.

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Plastic bodies in quantity by g r p press-moulding (extracts) G. Gurney & P. Neal. Automotive Design Engng., 5 (Oct 66) p.90-3. il.

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Passenger car bodies: design for presswork. E. S. Tebbutt Automotive Design Engng., 5 (Aug 66) p.57-60. il.

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How Ford makes dies with NC. Metalworking Production, 110 (16 Feb 66) p.66-7. il.

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Fast new press line results from international combination [U.S.I. 'Changematic' at the Werke A.G. in Cologne, Germany] Tooling, 20 (Feb 66) p.33-6. il.
Flexible automation in the press line [USI Changematic: Ford works in Cologne] W. A. Hawkins. Metalworking Production, 109 (Dec 65) p.41-5. il.

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Trends in body structural analysis. G. Tidbury. Automotive Design Engng., 5 (Sep 66) p.75-9. il.

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Two-line automatic welding installation assembles bodysides for the new Volvo "144". A. J. Hayes. Motor Body, 136 (Nov 66) p.16-18. il.

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Passenger car bodies: design for spot welding. J. E. M. Jubb. Automotive Design Engng., 5 (Jul 66) p.55+. il. refs.

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Testing of spot welds. Ultrasonics, 4 (Apr 66) p.84-7. il.

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Stud welding on "the line" at Vauxhall Motors. Motor Body, 136 (Mar 66) p.8-9. il.

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Another Duple luxury coach. Passenger Transport, 129 (Aug 66) p.324-6. il.
Duple Group's new range. Motor Body, 136 (Sep 66) p.16-17. il.
Emphasis on one-man single-deckers. D. Moses. Commercial Motor, 124 (16 Sep 66) p.176-8. il.
Era of the one-man bus: new-look coaches and larger double-deckers also featured at Earls Court. D. Moses. Commercial Motor, 124 (30 Sep 66) p.131-6. il.
New Duple range. Transport World (Jul 66) p.6-7. il.
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What can British bodybuilders offer overseas? A. A. Townsin. Bus & Coach, 38 (Mar 66) p.89-92. il.

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Keeping 100 coaches smart [Valliant Direct Coaches Ltd. & Lewis Cronshaw Ltd.] J. Adlington. Bus & Coach, 38 (Jul 66) p.235-8. il.

BODIES (Motor coaches) Manufactures
Plaxton's of Scarborough. Passenger Transport, 129 (May 66) p.191-2. il.

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Traditional painting methods take some beating. A.A. Townsin. Bus & Coach, 38 (Jul 66) p.257-8. il.

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Bodywork. Commercial Vehicles, 40 (Sep 66) p.96-101. il.

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Spring-steel fasteners and the motor industry. G. Marden. Motor Body, 136 (Apr 66) p.25+

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Vauxhall body repair school. Motor Body, 136 (Oct 66) p.16-18. il.

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Challenge of alternative materials in body construction and trim. J. D. McLintock. Motor Body, 136 (Feb 66) p.4+. il.

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Body mounting: advice from B.M.C. Commercial Vehicles, 40 (Sep 66) p.64-9. il.

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Electrostatic painting of motor vehicle bodies. J. Stribley. Surface Coatings, 2 (Oct 66) p.366+. il.

BODIES (Motor vehicles) Paint, Spraying, Hot, Low pressure
New refinishing booth and oven is magnet for new custom [J. Ashall & Son Ltd.] Product Finishing, 19 (Mar 66) p.50-3. il.

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Low bake: one answer to refinishing problems [Benspray Division of Broom and Wade Ltd., High Wycombe] Motor Body, 136 (Aug 66) p.13+. il.
Low bake doubles the throughput [G. W. Henry Ltd., Epsom] Surface Coatings, 2 (Jul 66) p.259+. il.
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Introduction to plastics for the body building industry. Motor Body, 136 (Jul 66) p.5

BODIES (Motor vehicles) Plastics, Reinforced

Examination of Formica reinforced plastic for the moulding of vehicle body panels. Motor Body, 136 (Nov 66) p.26-8. il.

BODIES (Motor vehicles) Plywood

Plywood's importance in vehicle body building. S. F. Page. Woodworking Industry, 23 (Aug 66) p.29-30. il.

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D.P.W.'s new automatic line primes motorbody spares. Product Finishing, 19 (Aug 66) p.49-51. il.

BODIES, Passenger rolling stock, Railways. See ROLLING STOCK (Passenger, Railways) Bodies

BODIES, Refrigerated commercial vehicles. See VEHICLES, Commercial, Refrigerated, Bodies

BODIES, Trailers, Motor vehicles. See MOTOR VEHICLES, Trailers, Bodies

BODIES (Tramcars) Panels, P.V.C.

Plastic tram. B. R. Turner. Modern Tramway, 29 (Apr 66) p.114-16. il.

BODIES, Valves. See VALVES, Bodies

BODIES (Vans) Aluminium alloys

More and better York products [York Company Ltd., Corby, Northants.] Transport World (May 66) p.34-5. il.

BODIES (Vans) Maintenance

Case history: analysis of commercial vehicle body repair. "Glenfour". Motor Body, 136 (Sep 66) p.5-7. il.

BODIES (Vans) Painting, Electrophoresis

Electropainting plant record size [Ford's Southampton motor works] Industrial Finishing, 18 (Oct 66) p.20+. il.

Ford 'Transit' is world's first van body to be electropainted. Product Finishing, 19 (Oct 66) p.52-7. il.

BODIES (Vans) Panels, Aluminium, Maintenance

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BODIES OF REVOLUTION, Blunt based, Wind tunnels, Blockage effects

Blockage corrections for blunt-based bodies of revolution. J. R. Calvert. J. of R. Aeronautical Soc., 70 (Apr 66) p.532-3. il. refs.

BODY CENTRED CUBIC IRON. See IRON, Body centred cubic

BODY CENTRED CUBIC METALS. See METALS, Body centred cubic

BODY–WING INTERFERENCE, Supersonic aircraft. See AIRCRAFT, Supersonic, Body–Wing interference

BOEHMITE. See ALUMINIUM HYDROXIDE

BOEING 727-200 AIRCRAFT. See AIRCRAFT, Types, Boeing 727-200

BOEING 737 AIRCRAFT. See AIRCRAFT, Types, Boeing 737

BOEING 747 AIRCRAFT. See AIRCRAFT, Types, Boeing 747

BOGIES, Diesel-electric locomotives. See LOCOMOTIVES, Diesel-electric, Bogies

BOGIES, Electric locomotives. See LOCOMOTIVES, Electric, Bogies

BOGIES, Passenger railway rolling stock. See ROLLING STOCK (Passenger, Railways) Bogies

BOGIES, Refrigerated wagons, Railways. See RAILWAYS, Wagons, Refrigerated, Bogies

BOGIES, Rolling stock, Passenger, Railways. See ROLLING STOCK (Passenger, Railways) Bogies

BOILED SWEETS. See SWEETS, Boiled

BOILER HOUSES, Oil-fired boilers. See BOILERS, Oil-fired, Boiler houses

BOILER HOUSES, Roof, Oil-fired heating, Office buildings. See OFFICE BUILDINGS, Heating, Oil-fired, Boiler houses, Roof

BOILERS

"Ambassador" tubeless boiler. Steam & Heating Engr., 35 (Jan 66) p.12-17. il.

Introduction to the modern boiler. J. McMorland. Engng. Designer (Jun 66) p.3-8. il.

New assessment on industrial boilers. C.A. Plummer. Instn. of Heating & Ventilating Engrs. J., 34 (Sep 66) p.A49+.

New boiler designs [Maestro and Supagua: C 12-SBC'S hot water design] Engng. & Boiler House Rev., 81 (Sep 66) p.266-8. il.

BOILERS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - *Corrosion*
  - *Scale*

- Technical operations
  - *Firing*
  - *Maintenance*
  - *Cleaning*

- Operating materials
  - *Fuels*
    - *Coal*
  - *Feedwater*

- Parts & Ancillaries
  - *Furnaces*
  - *Tubes*
  - *Chimneys*
  - *Control systems*
  - *Instruments*

- Kinds by fuel
  - *Coal fired*
  - *Pulverised coal fired*
  - *Oil fired*
  - Electrical
    - *Electrode*
- Kinds by structure
  - *Packaged*
  - *Fire tube*
    - *Economic*
  - *Water tube*
  - *Flash*
  - *Corner-tube*

- Applications
  - *Power stations*
  - *Ships*
    - *Nuclear power stations*
  - *Dyehouses*
  - *Laundries*
  - *Hospitals*

BOILERS, Chimneys

Boiler chimneys. D. Kut. Architectural Rev., 140 (Nov 66) p.382+. il.

BOILERS, Chimneys, Clad, Aluminium, Insulation

Design and operation of an insulated steel chimney. B. G. Gills & B. Lees. J. of Inst. of Fuel, 39 (Jan 66) p.29-33.

Insulated chimneys solve smuts problem ["Cosi-Clad"] Steam & Heating Engr., 35 (May 66) p.50-1. il.

Insulation of chimneys [Dribore] A. D. Third. Fuel Efficiency, 14 (Jun 66) p.20+. il.

BOILERS, Chimneys, Draught, Regulators

Draught regulation gives chimney protection. P. E. Jents. Engng. & Boiler House Rev., 81 (Apr 66) p.110

BOILERS, Cleaning
Boiler cleaning: most deposits are water soluble. Engng. & Boiler House Rev., 81 (Oct 66) p.292-3. il.
Boiler cleaning: survey of off-load methods. Engng. & Boiler House Rev., 81 (Oct 66) p.286-7

BOILERS, Cleaning, Acids
Boiler cleaning: descaling by chemicals. P.B. Cochran Engng. & Boiler House Rev., 81 (Oct 66) p.287-9. il.

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All German plant at Henry Foster [Todhills Brickworks] Brit. Clayworker, 75 (Mar 66) p.73-6. il.
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Design aspects of the Tay Road Bridge. Highways & Public Works, 34 (17 Aug 66) p.8+. il.

Elegant design for elevated roads. Engineering, 201 (29 Apr 66) p.811-16. il.

French local authority builds 2-mile long viaduct in 18 months at a cost of £2¾m [Ile d'Oléron] Surveyor, 128 (2 Jul 66) p.18-20. il.

Hereford builds a new bridge across the Wye [Greyfriars] Surveyor, 127 (8 Jan 66) p.17-19. il.

Highway bridge design and construction. Contract J., 210 (10 Mar 66) p.183-4

In situ concrete at 20°F. Surveyor, 128 (9 Jul 66) p.19-22. il.

Lagan Bridge scheme, Belfast. Highways & Public Works, 34 (23 Mar 66) p.10-11. il.

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New bridge, roundabout and fly-over in £1½m Poplar scheme. Municipal Engng., 143 (19 Aug 66) p.1655+. il.

1,080 ft. two-hinged steel plate arch over Vltava River, Czechoslovakia. J. Zeman. Highways & Public Works, 34 (24 Aug 66) p.8-9. il.

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Progress on Hampshire's major flyover scheme. Contract J., 210 (17 Mar 66) p.317-18. il.

Recent developments in highway bridge design and construction. O. A. Kerensky. J. of Instn. of Highway Engrs., 13 (Jul 66) p.16-33. il.

River Aire bridge. W.R. Varley. J. of Instn. of Highway Engrs., 13 (Sep 66) p.24-34. il.

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Second section of Chester's inner ring road completed. Municipal Engng., 143 (29 Apr 66) p.869. il.

13-span viaduct for Chester ring road. Contract J., 210 (21 Apr 66) p.933-4. il.

Standard designs not ideal economic answer. O. A. Kerensky. Highways & Public Works, 34 (9 Mar 66) p.10-11

Tay Road Bridge. Consulting Engr., 30 (Aug 66) p.62+. il.

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Tay Road Bridge opened. Surveyor, 128 (20 Aug 66) p.20+. il.

Viaduct major feature of Chester inner ring road. Surveyor, 127 (30 Apr 66) p.14-16. il.

BRIDGES
Related Headings:
FLYOVERS
ROADS, Elevated
VIADUCTS

BRIDGES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Europe*
    - *Bulgaria*
  - *U.S.A.*

- Technical operations
  - *Maintenance*
  - *Demolition*
  - *Lighting*

- Materials
  - *Concrete*
  - *Steel*
  - *Wood*

- Components
  - *Beams*
  - *Girders*
  - *Slabs*
  - *Decks*
  - *Bearings*
  - *Hinges*

- Kinds of bridge by form
  - *Arch*
  - *Suspension*
  - *Box girder*
  - *Bowstring girder*
  - *Bascule*
  - *Glass curtained*
- Kinds of bridge by function
  - *Motorways*
  - *Foot*

BRIDGES, Arch
Optimum shape for a single arch with solid fill above. E. Lightfoot & T. A. E. Gorley. Civil Engng. & Public Works Rev., 61 (Aug 66) p.963-4. il.

BRIDGES, Arch, Masonry, Repair
Masonry arch bridges. D. L. B. Thomas. Instn. of Municipal Engrs. J., 93 (Oct 66) p.338-41. il.

BRIDGES, Arch, Steel, Collapse
Incremental collapse of a steel arch bridge under repeated live and thermal loading. E. Bruzzese & G. Augusti. Instn. of Mechanical Engrs. Proc., 178 pt.3L (1963/64) p.310-20. il. refs.

BRIDGES, Bascule
Barrow's new bascule bridge will span 80ft of waterway. Municipal Engng., 143 (15 Apr 66) p.759-60. il.

BRIDGES, Beams, Continuous, Influence lines
Method of deriving influence lines for a symmetrical arrangement of spans of uniform section. C. Lawrence. Structural Engr., 44 (Sep 66) p.313-18. il. ref.

BRIDGES (Bearings, Neoprene), Horizontal loading
Frame action of a bridge deck supported on elastic bearings. J. Zederbaum. Civil Engng. & Public Works Rev., 61 (Jan 66) p.67+. il. ref.

BRIDGES, Bearings, Rubber
Bridge bearings. R. P. Torr. Highways & Public Works, 34 (28 Sep 66) p.10+. il.

Study of design criteria for laminated rubber bridge bearings: with comments on the limitations imposed by standardisation. W. A. A. Witham. Engng. Designer (Jan 66) p.3-15. il. refs.

BRIDGES, Bowstring girder
Design of network arches. P. Tveit. Structural Engr., 44 (Jul 66) p.249-59. il. refs.

BRIDGES, Box girder, Concrete, Prestressed
Some aspects of the economics of continuous prestressed concrete bridge girder. E. M. Aziz & A. D. Edwards. Structural Engr., 44 (Feb 66) p.49-54. il. refs.

BRIDGES, Bulgaria
Bridge construction in Bulgaria. B. Guerassimov. Highways & Public Works, 34 (20 Apr 66) p.8-9. il.

BRIDGES, Concrete, Prestressed
Bridging the Oosterschelde [Holland] Consulting Engr., 28 (Dec 65) p.36+. il.

British design successful for bridges in Chile. Highways & Public Works, 34 (23 Feb 66) p.8-9. il.

British designed prestressed concrete bridges in Chile. Roads & Road Construction, 44 (Mar 66) p.82-3. il.

Europe's longest bridge [Eastern Scheldt, Holland] Building, 211 (22 Jul 66) p.105+. il.

Two concrete bridges in Chile. Architect & Building News, 229 (13 Apr 66) p.677. il.

Two prestressed concrete bridges achieve European and world records [Oosterchelde bridge & Bendorf bridge] Concrete Q. (Jan/Mar 66) p.6-10. il.

UK designs win Chilean bridges competition. Contract J., 209 (17 Feb 66) p.821-2. il,

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Economics of bridge design: relative costs of decks of bridges of short and medium spans. F. Sawko & B. Banerjee. Concrete & Constructional Engng, 61 (Mar 66) p.86-94. il. refs.

BRIDGES, Demolition, Explosives
Controlled applications of explosives in demolitions. H. A. Swinnerton. Permanent Way Instn. J., 83 pt.3 (1965) p.154-5

BRIDGES, Electrical. *See after the last subheadings on structural bridges*

BRIDGES, Europe
Motorways and bridges: Europe. W. C. Hall. J. of Instn. of Highway Engrs., 13 (May 66) p.70-84. il.

BRIDGES, Foot, Concrete
Concrete footbridges. Concrete Q. (Jan/Mar 66) p.19-21. il.

BRIDGES, Foot, Concrete, Precast, Temporary
Temporary footbridges over trunk roads: Kent County Surveyor's precast concrete design approved by MoT. Surveyor, 127 (12 Mar 66) p.19-20. il.

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Design and construction of a prestressed concrete footbridge at Chesterfield. G. S. Sagoo. Instn. of Municipal Engrs. J., 93 (Feb 66) p.75-82. il. refs.

BRIDGES, Foot, Docks. See DOCKS, Bridges, Foot

BRIDGES, Girder, Railways. See RAILWAYS, Bridges, Girder

BRIDGES, Girders, Box, Torsion, Testing
Twisting of thin-walled box girders. B. Richmond. Instn. of Civil Engrs. Proc., 33 (Apr 66) p.659-75. il. refs.

BRIDGES, Glass curtained
Glazed bridge: St. Giles. Glass Age, 9 (Aug 66) p.40-1. il.

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Simulation in computer analysis programmes of haunched members and hinged joints. F. Sawko. Civil Engng. & Public Works Rev., 61 (Jan 66) p.73+. il. refs.

BRIDGES, Lighting
Lighting for multi-level junctions, bridges, tunnels and the like. C. C. Smith. Public Lighting, 30 (Dec 65) p.230-1

Tay Road Bridge. Public Lighting, 31 (Sep 66) p.157-8. il.

BRIDGES, Lighting, Lamps, Quartz iodine
Tower Bridge improved roadway lighting. B. R. Austin. Public Lighting, 31 (Jun 66) p.97-100. il.

Tower Bridge lighting: gas lamps replaced by electric after 72 years. B.R. Austin. Electrical Times, 150 (7 Jul 66) p.9-11. il.

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County bridges–their maintenance and construction. J. A. Davison. J. of Instn. of Highway Engrs., 13 (Jan 66) p.31-9. il.

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Procedure for the inspection and maintenance of bridges. E. R. King. Municipal Engng., 143 (14 Oct 66) p.2119+. il.

BRIDGES, Maintenance, Motor vehicles, Buildings

Admin. building, Forth bridge. Architect & Building News, 229 (15 Jun 66) p.1077-82. il.

BRIDGES, Motorways

Bridge construction on M.1 extension. Contract J., 211 (9 Jun 66) p.693-4. il.

Bridge construction on M1 extention. Civil Engng. & Public Works Rev., 61 (Jul 66) p.879. il.

Double-deck viaduct. Highways & Public Works, 34 (5 Oct 66) p.12-14. il.

Hendon urban motorway: contract no.1—a description of seven bridges closely linked with adjoining railway. V.J. Davies. Highways & Public Works, 34 (6 Jul 66) p.8+. il.

Viaduct constructed by "moving factory" [Berg Isel bridge, Austria] Highways & Public Works, 34 (26 Oct 66) p.8-9. il.

BRIDGES (Motorways) Concrete, Prestressed

Montanesi Viaduct on the Genoa-Serravalle motorway. Building, 210 (4 Mar 66) p.118. il.

Montanesi Viaduct—prestressed bridge in the mountains of northern Italy. Concrete Q. (Apr/Jun 66) p.10-12. il.

BRIDGES, Orthotropic box girder, Transit expressways. See TRANSIT EXPRESSWAYS, Bridges, Box girder, Orthotropic

BRIDGES. Pipelines, Town gas. See GAS (Town) Pipelines, Bridges

BRIDGES, Railways. See RAILWAYS, Bridges

BRIDGES, Ships. See SHIPS, Bridges

BRIDGES, Slabs, Curved, Analysis

Analysis of bridge slabs curved in plan. A. Coull & A. S. Ergin. Civil Engng. & Public Works Rev., 60 (Dec 65) p.1745+. il. refs.

BRIDGES, Steel

Steel for bridges. W. G. Willis. Steel Rev. (Jul 66) p.14-16. il.

BRIDGES, Steel, Signalboxes, Railways. See RAILWAYS, Signal boxes, Bridges, Steel

BRIDGES, Suspension

Bridge over the river Severn: major part of the London-South Wales route, M4. S. Bladon. Autocar, 125 (2 Sep 66) p.474-8. il.

Bridge over the River Severn. Pt. 1: economy of structure. Sir Alfred Pugsley. New Scientist, 31 (8 Sep 66) p.560-2. il.

Bridge over the River Severn. Pt. 2: evolution of a concept. Sir Gilbert Roberts. New Scientist, 31 (8 Sep 66) p.562-3

Bristol looks North. I. Sherriff. Commercial Motor, 124 (9 Sep 66) p.76-8. il.

Building the bridge [Severn Bridge] K. E. Hyatt. Steel Rev. (Jul 66) p.10-13. il.

Continuing the Severn crossing: the Wye Viaduct. Engineering, 202 (16 Sep 66) p.499-504. il.

Croeso i Gymru [Severn Bridge] I. Sherriff. Commercial Motor, 124 (2 Sep 66) p.74-6. il.

Design and construction of the Severn Bridge. Civil Engng. & Public Works Rev., 61 (Aug 66) p.975+. il. refs.

£8 million suspension bridge across Severn now open. Municipal Engng., 143 (9 Sep 66) p.1789+. il.

Erection of the Wye Viaduct. Engineer, 221 (10 Jun 66) p.888-91. il.

Europe's longest suspended span—River Tagus Bridge in Portugal, pt.1. Civil Engng. & Public Works Rev., 61 (Sep 66) p.1089+. il.

Long span bridges. J. Sutherland. Architectural Rev., 140 (Sep 66) p.176-85. il.

Marlow bridge reconstruction will not change appearance. F. J. S. Phillips. Municipal Engng., 143 (28 Jan 66) p.196-7. il.

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New Severn Bridge. A.D. Holland. Traffic Engng. & Control, 8 (Sep 66) p.286-8. il.

Prefabrication for Severn and Wye bridges. Civil Engng. & Public Works Rev., 61 (Aug 66) p.987-9. il.

River Tagus Bridge in Portugal, pt.2. Civil Engng. & Public Works Rev., 61 (Oct 66) p.1253-4. il.

Severn & Wye Bridges. Highways & Public Works, 34 (7 Sep 66) p.7+. il.

Severn Bridge. Building, 210 (3 Jun 66) p.80-2. il.

Severn Bridge & its approaches. Roads & Road Construction, 44 (Oct 66) p.280-93. il.

Severn Bridge leads world in design. Contract J., 211 (26 May 66) p.461-3. il.

Severn & Wye Bridges: subcontractors & suppliers' contribution to £10m. project. Highways & Public Works, 34 (7 Sep 66) p.17+. il.

Severn Bridge: an engineering showpiece. Contract J., 213 (8 Sep 66) p.134-5. il.

Severn Bridge officially opened. Wire Industry, 33 (Sep 66) p.877+. il.

Severn Suspension Bridge. Building, 211 (2 Sep 66) p.83-4. il.

Severn Suspension Bridge. Engineer, 222 (2 Sep 66) p.339-44. il.

Severn Suspension Bridge. Engineering Designer (Nov 66) p.16-17. il. refs.

Severn Suspension Bridge leads the world. Surveyor, 128 (27 Aug 66) p.17-19. il.

Slender Severn Suspension Bridge. Engineering, 202 (9 Sep 66) p.449-56. il.

Steel spans the Severn. Brit. Steelmaker, 32 (Sep 66) p.56-7. il.

Strengthening Marlow bridge. Consulting Engr., 30 (Jun 66) p.50-1. il.

Sweden's first suspension bridge [Alvsborg Bridge, Gothenburg] Contract J., 211 (23 Jun 66) p.957-8. il.

Tagus River Bridge opens this week. Highways & Public Works, 34 (3 Aug 66) p.8-10. il.

Tagus suspension bridge opened. Engineer, 222 (12 Aug 66) p.251-3. il.

Three bridges. Architect & Building News, 230 (7 Dec 66) p.991-8. il.

Two bridges. [Severn Bridge & Wye Bridge] B. Little. Architect & Building News, 230 (14 Sep 66) p.452-3. il.

BRIDGES, Suspension, Bending

Simple model solution of the suspension bridge problem. L. F. Stephens. Instn. of Civil Engrs. Proc., 34 (Jul 66) p.369-82. il. refs.

BRIDGES, Suspension, Cables, Clamps, Casting

Production of cable clamps for the Severn Bridge. M. Collins. Brit. Foundryman, 59 (Jul 66) p.298-303. il.

BRIDGES, Suspension, Maintenance

Continuous truss to span Tagus. M. H. A. Barry. Consulting Engr., 29 (Jan 66) p.38+. il.

BRIDGES, Suspension, Painting

Anti-corrosive treatment for the Severn Bridge. Corrosion Prevention & Control, 13 (Oct 66) p.13-14

Painting the Severn Bridge. Paint Technology, 30 (Oct 66) p.49+. il.

Protecting structural steelwork on the Severn/Wye crossing. Anti-Corrosion Methods & Materials, 1 (Sep 66) p.6-10. il.

Protecting the Severn Bridge. Surface Coatings, 2 (Sep 66) p.344-6. il.

BRIDGES, Suspension, Structural analysis, Computers

General computer programme for the solution of suspension bridge problems. D. M. Brotton. Structural Engr., 44 (May 66) p.161-7. il. refs.

BRIDGES, Swing, Railways. See RAILWAYS, Bridges, Swing

BRIDGES, U.S.A.

Motorways and bridges: North America. K. Summerfield. J. of Instn. of Highway Engrs., 13 (May 66) p.64-9

BRIDGES, Wood, Laminated

North American practice in glue laminated timber bridges. T. M. Wardle. Structural Engr., 44 (Dec 66) p.453-61. il. refs.

BRIDGES, Electrical, A.C., Capacitance measurement. See CAPACITANCE, Measurement, Bridges, A.C.

BRIDGES, Electrical, Capacitance measurement. See CAPACITANCE, Measurement, Bridges

BRIDGES, Electrical, Inductance measurement, Lines, Telephony. See TELEPHONY, Lines, Inductance, Measurement, Bridges

BRIDGES, Electrical, Mueller, Resistance, Cryogenics, Thermometers. See THERMOMETERS, Cryogenics, Resistance, Bridges, Mueller

BRIDGES, Electrical, Output, Linearisation, Graphical methods

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BRIGHTENERS, Nickel electroplating. See ELECTROPLATING, Nickel, Brighteners

BRIGHTENING AGENTS, Optical. See DYES, Fluorescent

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CHURCHES, Brighton

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BRITTLE FRACTURE. See FRACTURE, Brittle
BRITTLE FRACTURE, Fillet welded steel, Shells, Kilns, Cement. See CEMENT, Kilns, Shells, Steel, Welded, Fillet, Fracture, Brittle
BRITTLE FRACTURE, Iron–Silicon. See IRON–SILICON, Fracture, Brittle
BRITTLE FRACTURE, Metals, Plates. See PLATES, Metals, Fracture, Brittle
BRITTLE FRACTURE, Mild steel. See STEEL, Mild, Fracture, Brittle
BRITTLE FRACTURE, Pipes, Reforming, Hydrocarbons, Town gas production. See GAS (Town) Production, Hydrocarbons, Reforming, Pipes, Fracture, Brittle
BRITTLE FRACTURE, Pressure vessels, Ammonia production. See AMMONIA, Production, Pressure vessels, Fracture, Brittle
BRITTLE FRACTURE, Steel–Chromium–Molybdenum–Vanadium, Discs, Low pressure stages, Steam turbines, Turbo-alternators. See TURBO-ALTERNATORS, Steam turbines, Low pressure stages, Discs, Steel–Chromium–Molybdenum–Vanadium, Fracture, Brittle
BRITTLE FRACTURE, Welded steel. See STEEL, Welded, Fracture, Brittle
BRITTLE FRACTURE, Welded steel, Plates, Decks, Tankers. See TANKERS, Ships, Decks, Plates, Steel, Welded, Fracture, Brittle
BRITTLE FRACTURE, Welded steel, Plates, Sheer strakes, Ships. See SHIPS, Sheer strakes, Plates, Steel, Welded, Fracture, Brittle
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BRITTLE FRACTURE, Welded steel, Tanks, Storage, Petroleum. See PETROLEUM, Storage, Tanks, Steel, Welded, Fracture, Brittle
BRITTLENESS, Blue, Mild steel, Wires. See WIRES, Steel, Mild, Brittleness, Blue
BRITTLENESS, Stress relieving, Steel, Wires. See WIRES, Steel, Stress relieving, Brittleness
BRITTLENESS, Temper, Effect on fatigue, Steel–Manganese–Silicon. See STEEL–MANGANESE–SILICON, Fatigue, Effect of temper brittleness
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BROMIDES, Solutions, Aqueous, Corrosion, Aluminium. See ALUMINIUM, Corrosion, Aqueous bromide solutions
BROMILOW FORMULA, Resistance, Airflow, Shafts, Ventilation, Mining. See MINING, Ventilation, Shafts, Airflow, Resistance, Bromilow formula
BROMINATION, Cresol determination, Aqueous solutions, Cresol. See CRESOL, Aqueous solutions, Determination of cresol, Bromination
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BUCKLING, Arches. See ARCHES, Buckling

BUCKLING, Compression diagonals, Lattic girder bridges, Railways. See RAILWAYS, Bridges, Girder, Lattice, Compression diagonals, Buckling

BUCKLING, Cylinders. See CYLINDERS, Buckling

BUCKLING, I-section columns, Frames, Structures. See STRUCTURES, Frames, Columns, I-section, Buckling

BUCKLING, Lifting, Reinforced concrete, Beams. See BEAMS, Concrete, Reinforced, Lifting,

BUCKLING, Ring-reinforced circular cylindrical shells. See SHELLS, Cylindrical, Circular, Ring-reinforced, Buckling
BUCKLING, Steel, Struts. See STRUTS, Steel, Buckling
BUCKLING, Stiffened circular cylindrical shells. See SHELLS, Cylindrical, Circular, Stiffened, Buckling
BUCKLING, Stiffened plates. See PLATES, Stiffened, Buckling
BUCKLING, Thin walled cylinders. See CYLINDERS, Thin walled, Buckling
BUCKLING COLUMN FENDERS, Docks. See DOCKS, Fenders, Buckling column
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BUFFER SOLUTIONS
  Related Headings:
    CITRIC ACID, Buffer solutions
    SODIUM PHOSPHATE, Dibasic, Buffer solutions
BUFFERED BEER. See BEER, Buffered
BUFFERED WORTS, Brewing. See BREWING, Worts, Buffered
BUFFERING CAPACITY, Silage. See SILAGE, Buffering capacity
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    ADHESIVES, Flexible, Building materials
    ADHESIVES, Synthetic resin, Building materials
    AIR CONDITIONING
    ALUMINIUM, Building materials
    ARCHITECTURE
    BATHROOMS
    BEDROOMS
    BRICKLAYING
    BRICKS
    CEILINGS
    CLAY, Expanded
    COAL, Products, Building materials
    COAL, Pulverised, Ash, Building materials
    CONCRETE, Aerated, Building materials
    CONCRETE, Lightweight aggregate, Building materials
    CONCRETING
    CRANES, Tower, Building plant
    CRANES, Tower mounted, Building plant

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    DOORS
    ENTRANCE HALLS
    EPOXY RESIN–PULVERISED FUEL ASH, Building materials
    EPOXY RESINS, Building materials
    FIBRE BOARD, Building materials
    FLOORS
    GLASS, Building materials
    GLASS, Expanded, Building materials
    GLAZING
    JOINERY
    KITCHENS
    LAMINATES, Wood, Building materials
    LAVATORIES
    LOUVRES
    MASONRY
    METALS, Building materials
    MODULAR CO-ORDINATION
    PARTITIONS
    PETROLEUM, Products, Building materials
    PLASTER
    PLASTERBOARD
    PLASTERING
    PLASTICS, Building materials
    PLASTICS, Reinforced, Building materials
    POLYESTER-GLASS FIBRE, Building materials
    POLYSTYRENE, Expanded, Building materials
    POLYURETHANE, Expanded, Rigid, Building materials
    PLUMBING
    QUANTITY SURVEYING
    RAMPS
    ROOFLIGHTS
    ROOFS
    SCAFFOLDING
    SEALANTS, Building materials
    SEALANTS, Polymers, Building materials
    SEALANTS, Polysulphide rubber, Building materials
    SHEAR WALLS
    STAIRCASES
    STEEL, Building materials
    STEEL, Stainless, Building materials
    STEEL–CHROMIUM–COPPER, Building materials
    STONE, Reconstructed, Building materials
    STRUCTURES
    STUDY-BEDROOMS
    VENTILATION
    VENTILATORS
    WINDOWS
    WOOD, Building materials

BUILDING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Regulations

Costs

Contracts
  Forms of contract

Consortia

Education
Research
Exhibitions

BUILDING–SUBHEADINGS–Synopsis–*cont.*

Classification systems

Problems
    Industrial safety
        Accidents

Sites

Materials
    Stone

Equipment
    Computers
    Power supplies
    Ladders

Technical operations
    Accuracy standards
    Repetitive work
    Production, Management
    Critical path analysis
    Scheduling
    Site preparation
    Site organisation
    Communications
    Mechanical handling

Building under special conditions
    Winter

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BUILDING, Accidents, Costs

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BUILDINGS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following

- Problems
  - *Fires*
  - *Dampness*
  - *Town planning*
    - *Spacing*

- Properties
  - *Effect of solar energy*
  - *Stability*
  - *Acoustics*

- Technical activities
  - *Measurements*
  - *Maintenance*
  - *Preservation*
  - *Cleaning*
  - *Insulation*
  - *Decoration*
    - *Painting*
      - *Paint*

- Parts
  - *Components*
  - *Frames*
  - *Panels*
  - *Sheets*
  - *Foundations*
  - *Walls*
  - *Vibration isolators*
  - *Cladding*
  - *Finishes*
  - *Linings*
  - *Joints*
  - *Partitions*
  - *Rooms*
  - *Basements*
  - *Storage facilities*
  - *Fittings*
  - *Signs*

- Services
  - *Engineering services*
    - *Heating*
  - *Drainage*

- Kinds
  - *Tall*
  - *Linear*

  - *Wood*
  - *Concrete*
  - *Stone*
  - *Steelwork*
  - *Composite construction*

  - *Framed*
  - *Prefabricated*
  - *Earthquake resistant*

  - *Overhead*

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BUILDINGS, Cladding, Concrete, Shot blasting

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BUILDINGS, Cladding, Prefabricated

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BURNERS, Town gas, Conversion to natural gas burners. See GAS, Natural, Burners, Conversion from town gas burners

BURNERS, Town gas, Lamp manufactures, Motor cars. See MOTOR CARS, Lamps, Manufactures, Town gas, Burners

BURNING DROPLETS, Liquid fuels. See FUELS, Liquid, Droplets, Burning

BURNISHING
Related Headings:
DIAMOND BURNISHING

BURST GATE GENERATORS, Colour television. See TELEVISION, Colour, Burst gate generators

BURST TESTING, Butt welded aluminium–copper–megnesium–zinc, Strips, Tubes. See TUBES, Strips, Aluminium–Copper–Magnesium–Zinc, Welded, Butt, Burst testing

BURST TESTING, Discs, Gas turbines, Aircraft. See AIRCRAFT, Gas turbines, Discs, Burst testing

BURSTING, Steel, Tubes, Boilers, Power stations. See POWER STATIONS, Boilers, Tubes, Steel, Bursting

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Opportunity for smaller buses. E. R. L. Fitzpayne. Transport J., 25 (10 Jun 66) p.31. il.

P.s.v. that lives up to its name [AEC "Swift" rear-engined passenger chassis with semi-automatic transmission] Transport J., 24 (Dec 65) p.10-12. il.

Red Arrows are on the way [London Transport] Transport World (Jan 66) p.6-7. il.

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Road test of Bedford VAM. R. D. Cater. Commercial Motor, 122 (31 Dec 65) p.34+. il.

Saving weight means saving money. P. G. Bland. Bus & Coach, 38 (Jan 66) p.2-6. il.

Single-decker for Canada [MCW introduces the Olympic Mk10] Passenger Transport, 129 (Sep 66) p.394-5. il.

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Strachans introduce Paceway Express. Passenger Transport, 129 (Apr 66) p.156-58. il.

330 cu in Bedform VAM with Duple front entrance body. E. L. Cornwell. Passenger Transport, 129 (Feb 66) p.50-4. il.

Trying out the Bristol VR. A.A. Townsin. Bus & Coach, 38 (Dec 66) p.468-70. il.

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VAM—another Bedford success. J. H. Fielder. Transport World (Jan 66) p.8-9. il.

Weight-saving and vehicle life—can a balance be struck? A. A. Townsin. Bus & Coach, 38 (Jan 66) p.7-11. il.

BUSES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Technical activities
  Standardisation
  Design
  Manufactures
  Maintenance
  Road tests
  Driving

Parts
  Chassis
  Transmissions
  Bodies
  Seats
  Engines
  Diesel engines
  Heating
  Ventilation

Kinds
  Rural
  Steam
  Battery operated

Ancillaries
  Stations

Transport
  Passenger waiting time
  Traffic control
    Remote indication

Particular groups of users
  Disabled persons

BUSES, Battery operated

Battery buses for the new towns? Passenger Transport, 129 (Mar 66) p.100-101. il.

BUSES, Bodies

Emphasis on one-man single-deckers. D. Moses. Commercial Motor, 124 (16 Sep 66) p. 176-8. il.

Era of the one-man bus: new-look coaches and larger double-deckers also featured at Earls Court. D. Moses. Commercial Motor, 124 (30 Sep 66) p.131-6. il.

One-man single deckers prominent. Transport World (Sep 66) p.63-4. il.

BUSES, Bodies, Design

Bodywork for 1967: bus & coach design. Passenger Transport, 129 (Oct 66) p.426+. il.

What can British bodybuilders offer overseas? A. A. Townsin. Bus & Coach, 38 (Mar 66) p.89-92. il.

BUSES, Bodies, Maintenance

Body maintenance—how much is needed? P.G. Bland. Bus & Coach, 38 (Jul 66) p.228-34. il.

BUSES, Bodies, Painting

Traditional painting methods take some beating. A.A. Townsin. Bus & Coach, 38 (Jul 66) p.257-8. il.

BUSES, Bodies, Standardisation

No standardization—who is to blame? D. Moses. Commercial Motor, 123 (13 May 66) p.77-80. il.

BUSES, Chassis

Bristol breaks new design ground with versatile rear-engined p.s.v. chassis. Transport J., 25 (Sep 66) p.42-3. il.

Bristol RE single-deck bus chassis. A. J. P. Wilding. Commercial Motor, 124 (4 Nov 66) p.62+. il.

Bristol: unusual position for the engine in a new chassis suitable for single- and double-deck buses. Automobile Engr., 56 (Oct 66) p.437-9. il.

Bristol finds a new engine position. Bus & Coach, 38 (Aug 66) p.279-84. il.

Daimler developments for 1967. Bus & Coach, 38 (Oct 66) p.352-3. il.

Extra is well worthwhile [Ford R192 with Duple Empress body] J. F. Moon. Transport World (Feb 66) p.40-1. il.

Wider scope for Bristol passenger chassis. Transport J., 25 (Feb 66) p.18+. il.

BUSES, Chassis, Buyers' guides

British passenger chassis: buyers' guide to models produced in the United Kingdom. Commercial Motor, 124 (4 Nov 66) p.115-18. il.

BUSES, Design

Passenger's viewpoint. J. Parke. Passengers Transport, 129 (Dec 66) p.512-4. il.

BUSES, Diesel engines

180 b.h.p. Gardner engine. Bus & Coach, 38 (Sep 66) p.335-7. il.

BUSES, Diesel engines, Blocks, Cracks, Repairing

Cold repairing cracked cylinder blocks. N. Tinwell. Commercial Motor, 122 (14 Jan 66) p.78-9. il.

BUSES, Diesel engines, Exhaust, Purification, Catalytic

American breakthrough on black smoke emission. Commercial Vehicles, 40 (Mar 66) p.14-15. il.

BUSES (Disabled persons)

Entrance examination. K. Moses. Commercial Motor, 124 (4 Nov 66) p.70+. il.

BUSES, Driving, Training

Subjective and objective comparisons of successful and unsuccessful trainee drivers. I. D. Brown. Ergonomics, 9 (Jan 66) p.49-56. il. refs.

BUSES, Engines

Making them go...and stop: Earls Court '66 engine and transmission review. Bus & Coach, 38 (Oct 66) p.406-10. il.

BUSES, Heating

Developments in heating and ventilating. A. A. Townsin. Bus & Coach, 38 (Nov 66) p.339-42. il.

BUSES, Maintenance

Bus is as young as it acts [Gosport & Fareham Omnibus Co. Ltd.] Bus & Coach, 38 (Jan 66) p.12-15. il.

Flexibility the key to success [United Automobile Services Ltd.] A. A. Townsin. Bus & Coach, 38 (May 66) p.152-7. il.

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Automatic location and identification of vehicles [Sentinel] Industrial Electronics, 4 (Nov 66) p.500-5. il. refs.

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Saving a rural service. M. Clements. Bus & Coach, 38 (Nov 66) p.424-7. il.

BUSES, Rural, Transport, South Scotland

Hard going in Scotland. R. T. Foster. Passenger Transport, 129 (Dec 66) p.508-11. il.

BUSES, Seats (Driver) Suspension

Why suspension seating for drivers? [Chapman Superide suspension seat mechanism] Bus & Coach, 38 (Sep 66) p.323-4. il.

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Standardization in Netherlands. J. Haan. Passenger Transport, 129 (Nov 66) p.472-3. il.

BUSES, Stations, Bergen

Bus station amongst the fjords. W. Waage. Bus & Coach, 38 (Mar 66) p.82-5. il.

BUSES, Stations, Hamburg

Bus station, Hamburg. Builder, 210 (25 Feb 66) p.383-4. il.

BUSES, Stations, Rotherham

Rotherham goes modern. Transport World (Apr 66) p.9+. il.

BUSES, Steam

Doble Sentinel developments. H. Holcroft. Light Steam Power, 15 (Sep/Oct 66) p.254-8

BUSES, Traffic control, Television

Television comes to the rescue [Leicester City Transport] J. Cooper. Transport J., 24 (Dec 65) p.6+. il.

BUSES, Transmissions

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Smoothness without loss of economy. A. A. Townsin. Bus & Coach, 38 (Jun 66) p.200-2. il.

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Diversification—Premier sets an example. D. Moses. Commercial Motor, 124 (21 Oct 66) p.60-2. il.

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Passenger transport statistics 1964. Passenger Transport, 129 (Feb 66) p.60-1

Rationalization and co-ordination help to cushion rising costs in p.s.v. operation [Trent Motor Traction Co. Ltd.] Transport J., 25 (Oct 66) p.48+. il.

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Serving the North-West. C.S. Dunbar. Passenger Transport, 129 (Oct 66) p.430-3. il.

Wanted—some salesmen. A. A. Townsin. Bus & Coach, 38 (Sep 66) p.304-8. il.

What shows in the crystal ball? C. F. Klapper. Passenger Transport, 129 (Jan 66) p.6-8. il.

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One side of the Mersey. C. S. Dubar. Passenger Transport, 129 (Sep 66) p.389-91. il.

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Birmingham breaks even despite steady passenger decline. P. A. C. Brockington. Commercial Motor, 122 (24 Dec 65) p.28-30. il.

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Towards an all-single-deck fleet [Chesterfield Corporation] P. A. C. Brockington. Commercial Motor, 122 (14 Jan 66) p.66-8. il.

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City and country links cuts Cork's peak problems. A Taylor. Commercial Motor, 123 (1 Jul 66) p.57-9. il.

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Developments in Dublin. Passenger Transport, 129 (Feb 66) p.70-1. il.

BUSES, Transport, Durham County
Linking Tyne and Wear. R. C. Davis. Passenger Transport, 129 (Apr 66) p.142-46. il.

BUSES, Transport, East Kent, History
Fifty years in Kent [East Kent Road Car Company] Transport, 129 (Nov 66) p.476-8. il.

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Edinburgh takes delivery. Passenger Transport, 129 (Mar 66) p.107-8. il.
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BUSES, Transport, Essex
Country busmen must be helped [H. C. Chambers & Sons Ltd., Bures] D. Moses. Commercial Motor, 123 (29 Jul 66) p.97-9. il.

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Joint Transport Committee's success with one-man operation. Transport J., 25 (Sep 66) p.78+. il.

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Fewer than 1,500 passengers a week [Terrier Coaches Ltd.] R. L. Iles. Bus & Coach, 38 (Aug 66) p.270-3. il.
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Armstrongs of Newcastle. W. R. Lang. Passenger Transport, 129 (Mar 66) p.114+. il.
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Getting on the level. J. Scalloway. Transport World (Dec 65) p.12-13. il.
Ideas for London Transport. D. Wragg. Passenger Transport, 129 (May 66) p.207-8

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Computer progress at Leeds. Bus & Coach, 38 (Aug 66) p.285-7. il.
Don't be afraid of computers. Bus & Coach, 38 (Aug 66) p.266-9. il.

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Saving one bus in every ten. W.R. Lang. Bus & Coach, 38 (Dec 66) p.463-5. il.

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New solution to an old problem. [Wallasey services] P. D. Saalmans. Data Processing, 8 (Jul/Aug 66) p.220-4. il. refs.
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Orpington rural transport goes ahead. J. D. Wylde. Passenger Transport, 129 (Mar 66) p.112-13. il.

BUSES, Transport, Paris
Bus services in Paris. P. F. Winding. Passenger Transport, 129 (Nov 66) p.484-7. il.

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Portsmouth diversion. F. W. York. Passenger Transport, 129 (Feb 66) p.72-3. il.

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New headquarters for Rotherham Transport. Passenger Transport, 129 (Apr 66) p.159-61. il.

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Bus services in new town [Runcorn] Passenger Transport, 129 (Feb 66) p.63-4. il.

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How Sheffield has achieved success with joint bus operation. Transport J., 25 (Mar 66) p.32+. il.

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Road and rail timetables. Brit. Printer, 79 (May 66) p.83-9. il.

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Does the 24-hour clock work? J. Adlington. Bus & Coach, 38 (Mar 66) p.86-8. il.

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Tough going in Mid-Wales. C. S. Dunbar. Passenger Transport, 129 (Jan 66) p.10-13. il.

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Walsall is ready for the word "go". Bus & Coach, 38 (Jan 66) p.22-3. il.

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'But people use only the clock. . .' W. R. Lang. Passenger Transport, 129 (Sep 66) p.386-8. il.
Yorkshire independent that won't lie down. Passenger Transport, 129 (Jul 66) p.278-81. il.

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Developments in heating and ventilating. A. A. Townsin. Bus & Coach, 38 (Nov 66) p.339-42. il.

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RAILWAYS, Bushbury

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Systems analysis problems encountered during a large computer application [Pinchin Johnson & Associates, Ltd.] N. Smith. Computer J., 9 (Nov 66) p.230-7

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ADDRESSING MACHINES
DICTATING MACHINES
TYPEWRITERS
TYPEWRITERS

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Family grouping for short runs on multis [National Cash Register Co.] R. Iredale. Metalworking Production, 110 (25 May 66) p.73-4. il.

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Preset NC tooling increase output at IBM. G. R. Nelson. Metalworking Production, 110 (22 Jun 66) p.63-5. il.

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Getting down to details [IBM] J. J. LaDue. Design (Sep 66) p.53-7. il.

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Office machinery using punched paper tape. R. W. Smith. J. of Brit. Boot & Shoe Instn., 13 (May 66) p.249-51. il.

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BUTADIENE–STYRENE–ACRYLONITRILE, Bodies, Motor cars. See MOTOR CARS, Bodies, Acrylonitrile–Butadiene–Styrene

BUTADIENE–STYRENE–ACRYLONITRILE, Dashboards, Motor cars. See MOTOR CARS, Dashboards, Acrylonitrile–Butadiene–Styrene

BUTADIENE–STYRENE–ACRYLONITRILE, Motor car parts. See MOTOR CARS, Parts, Acrylonitrile–Butadiene–Styrene

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BUTANE–AIR, Supplementation, Town gas. See GAS (Town) Supplementation, Butane–Air

BUTANE FIRED TUNNEL KILNS, Electrical insulating material manufactures, Porcelain. See PORCELAIN, Electrical insulating materials, Manufactures, Kilns, Tunnel, Butane fired

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BUTT WELDED ALUMINIUM–COPPER–MAGNESIUM–ZINC, Strips, Tubes. See TUBES, Strips, Aluminium–Copper–Magnesium–Zinc, Welded, Butt

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Butter factory operated by four men [Morrinsville Co-operative Dairy Company] Dairy Industries, 31 (Nov 66) p.898-9. il.
Modernised factory for cheesemaking [West Marton Creamery] Dairy Industries, 31 (Feb 66) p.117-19. il.

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CHARGING, Arc furnaces, Steel production. See STEEL, Production, Furnaces, Arc, Charging

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    REFRIGERATION, Chemical engineering
    UNIT OPERATIONS
    UNIT PROCESSES

CHEMICAL ENGINEERING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

  Data

  Education
  Profession
    Research

  Particular localities
    Great Britain
      Tees-side

  Plant
    Computers
    Instruments
    Control systems
    Electrical installations

  Technical activities
    Data logging

CHEMICAL ENGINEERING–SUBHEADINGS–Synopsis–cont.
  Technical activities—*cont.*
    Production, Management
    Critical path analysis

  Processes
    Frequency response
    Unsteady state
    Vibrations
    Heating

  Raw materials
    Fuels

  By products
    Effluents

  Special fields
    Vacuum

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- COMPRESSORS, Chemical plant
- CONDENSERS
- FANS, Chemical plant
- FIXED BEDS
- FLUIDISED BEDS
- HAGBARTH TRAYS
- PACKED BEDS
- PACKED COLUMNS
- PLATE COLUMNS
- PRESSURE VESSELS
- PUMPS, Chemical plant
- SIEVE PLATES
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CLOSED CIRCUIT TELEVISION, Inspection, Sewers. See SEWERS, Inspection, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Inspection, Underground pipelines. See PIPELINES, Underground, Inspection, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Inspection, Water wells. See WATER, Wells, Inspection, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Knitting machine studies. See KNITTING, Machines, Studies, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Nuclear reactor maintenance. See NUCLEAR REACTORS, Maintenance, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Quarrying. See QUARRYING, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Swimming baths. See SWIMMING BATHS, Television, Closed circuit

CLOSED CIRCUIT TELEVISION, Traffic control, Elevated motorways. See MOTORWAYS, Elevated, Traffic control, Television, Closed circuit

CLOSING, Thermoplastics, Uppers, Shoes. See SHOES, Uppers, Thermoplastics, Closing

CLOSURES, Bottles. See BOTTLES, Closures

CLOSURES, Bottles, Food. See FOOD, Bottles, Closures

CLOSURES, Cans. See CANS, Closures

CLOTHED CARDING MACHINES, Wool. See WOOL, Carding, Machines, Clothed

CLOTHING

Related Headings:

- DRESSES
- FOOTWEAR
- GLOVES
- HOSIERY
- KNITWEAR
- OUTERWEAR
- RAINWEAR
- SHIRTS
- SWIMWEAR
- TROUSERS
- TWEEDS
- UNDERWEAR

CLOTHING, Accessories

Related Headings:

- FANS, Clothing accessories

CLOTHING, Fabrics, Cellulosic, Crease resistant

Recent developments in wash-and-wear finishing. B. C. M. Dorset. Textile Manufacturer, 92 (Oct 66) p.414-19. il.

Crease-resisting process—problems of permanent press. J.T.

CLOTHING, Fabrics, Cellulosic, Crease setting

Permanent-press on cellulosic & cellulosic—synthetic blended fabrics. G. I. Hollings. Textile Inst. & Industry, 4 (Nov 66) p.326-9

Research and developments in permanent creases and pleats. B. C. M. Dorset. Textile Manufacturer, 92 (May 66) p.198-204. il.

CLOTHING, Fabrics, Colour, Fastness, Tests, Standardisation

Consumer colour-fastness requirements in relation to standard test methods and labelling. J. A. Lenz. J. of Soc. of Dyers & Colourists, 81 (Dec 65) p.532-4. refs.

CLOTHING, Fabrics, Cotton, Crease resistance, Carbamates

Carbamates for crease recovery. J. T. Marsh. Textile Manufacturer, 92 (May 66) p.205-6

CLOTHING, Fabrics, Cotton, Crease setting

Fabrics for the permanent press process. Textile Recorder, 84 (Sep 66) p.92-3. il.

New principles and developments in durable press cottons. L. Smith. Textile Recorder, 84 (Jul 66) p.92-5

Swiss view of permanent press [Ciba Ltd., Basle] Skinner's Record, 40 (Nov 66) p.786+. il.

Swiss view of permanent press, pt.2. Skinner's Record, 40 (Dec 66) p.855+

CLOTHING, Fabrics, Cotton, Soiling, Fatty materials, Washing (Detergents) Microscopy

Microscopical studies of detergency: dirt removal from naturally soiled fibres. D. M. Meek. J. of Textile Inst., Trans., 57 (Aug 66) p.337-43. il. refs.

CLOTHING, Fabrics, Courtelle, Weaving

Courtelle weaving in Yorkshire. J.M. Cysarz. Skinner's Record, 40 (Jul 66) p.470-2. il.

CLOTHING, Fabrics, Courtelle—Wool

Brighouse mill makes biggest Courtelle/wool variety. Skinner's Record, 40 (Aug 66) p.547+. il.

CLOTHING, Fabrics, Crease setting

Koratron open research and development centre at Horsforth. Dyer, Textile Printer, Bleacher & Finisher, 135 (18 Mar 66) p.411-12. il.

CLOTHING, Fabrics, Dyeing

Keeping an eye on the dye. J. Whittaker. Textile Weekly, 66 (25 Mar 66) p.492-3

CLOTHING, Fabrics, Elastic

Stretch fabrics and garments—the buyer's view, pt.2. E. Gerrard. Textile Recorder, 83 (Jan 66) p.50-2. il.

CLOTHING, Fabrics, Finishing, Machines

New multi-purpose machine from Spain: open width treatment of piece goods by the Valls continuous process system [Tintes Y Aprestos Valls, of Barcelona.] Hosiery Times, 39 (Jun 66) p.81+. il.

CLOTHING, Fabrics, Man-made fibres, Crease setting

Fabrics for the permanent press process. Textile Recorder, 84 (Sep 66) p.92-3. il.

Swiss view of permanent press [Ciba Ltd., Basle] Skinner's Record, 40 (Nov 66) p.786+. il.

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CLOTHING, Fabrics, Man-made fibres, Making-up

Impact of synthetic fibres on multiple tailoring. R. Norbury. Textile Weekly, 66 (1 Jul 66) p.13+

CLOTHING, Fabrics, Man-made fibres—Cellulosic textiles, Crease setting

Permanent-press on cellulosic & cellulosic—synthetic blended fabrics. G. I. Hollings. Textile Inst. & Industry, 4 (Nov 66) p.326-9

CLOTHING, Fabrics, P.V.C.

PVC in fashion. Brit. Plastics, 39 (Sep 66) p.496-9. il.

CLOTHING, Fabrics, Polyester fibre, Astronautics. See ASTRONAUTICS, Clothing, Polyester

CLOTHING, Fabrics, Polyester fibres—Cotton, Crease setting

Crease-resisting process—problems of permanent press. Marsh. Textile Recorder, 84 (Oct 66) p.60-2

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CLOTHING, Fabrics, Polyurethane, Elastic

Elastomeric fibres in stretch fabrics. H. Hampson. Textile Recorder, 83 (Mar 66) p.47+. il.

CLOTHING, Fabrics, Rubber, Elastic

Natural rubber thread for a firm foundation. G. A. Frith. Textile Manufacturer, 92 (Feb 66) p.49-52. il.

CLOTHING, Fabrics, Terylene, Anti-soiling agents

New finishes for Terylene and Terylene blend fabrics [Permaloset] D. A. Garret & P. N. Hartley. J. of Soc of Dyers & Colourists, 82 (Jul 66) p.252-7. il. refs.

CLOTHING, Fabrics, Waterproofing
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CLOTHING, Fabrics, Woollen, Elastic
Men will look for 'stretch-appeal'. P. Long. Wool Record, 110 (12 Aug 66) p.33+

CLOTHING, Fabrics, Worsted, Lustration
Development of shine in worsted cloths during wear. Wool Science Rev. (Aug 66) p.10-15. il. ref.

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CLOTHING, Leather, Setting, Steam
Steam setting of clothing leathers. M. Millar. J. of Soc. of Leather Trades' Chemists, 50 (Mar 66) p.109-16

CLOTHING, Lice, Fumigation
Simple fumigation method for disinfecting clothing or bedding containing body lice. J. R. Busvine & C. Vasuvat. J. of Hygiene, 64 (Mar 66) p.45-51. il. refs.

CLOTHING, Making-up, Sewing, Thread, Nylon, Textured
Buckled nylon seam covering thread [J. & P. Coates] Hosiery Times, 39 (Mar 66) p.52+. il.

CLOTHING, Making-up, Sewing machines
For synthetic and blends and other "problem" fabrics—high-speed lockstitch sewing machine: new PFAFF 467 model has drop feed and variable top feed [Bellow Machine Co. Ltd., Leeds] Hosiery Times, 39 (May 66) p.64-5. il.
Rimoldi sewing and seaming equipment: Marks and Spencer technical experts co-operate in Leicester demonstration. Hosiery Times, 39 (Oct 66) p 97+. il.

CLOTHING, Making-up, Sewing machines, Thread severers, Electric
Electrically operated thread severers [Brown, Rudkin Ltd.] Hosiery Trade J., 73 (Jul 66) p.101-2. il.
Electrically-operated thread severers for flat-bed and multi-thread sewing machines. Hosiery Times, 39 (Apr 66) p.53-4. il.

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Triumph—an industrial philosophy. B. Wardman & M. Wardman. Hosiery Trade J., 73 (Nov 66) p.109-14. il.

CLOTHING, Manufactures, Control systems, Pneumatic
Two Maxalog installations. Pt.2: for increased productivity in a garment factory. Fluid Power International, 31 (Nov 66) p.345-6. il.

CLOTHING, Manufactures, Conveyors
Automatic clothes hanger [AB Ohrnell System, Boros, Sweden 'Reptil 25'] Mass Production, 42 (Jul 66) p.48

CLOTHING, Military, Camouflage, Dyes, Chromotropic, Dithizone
Emulating the chameleon. Dyer, Textile Printer, Bleacher & Finisher, 136 (7 Oct 66) p.518+. il. ref.

CLOTHING, Riders, Motor cycles. See MOTOR CYCLES, Riders, Clothing

CLOTHING, Shops, Retail, Design
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CLOTHING, Storage, Warehouses
Dispatch bottleneck broken by live storage [Wolsey Ltd., Leicester] Mechanical Handling, 53 (Nov 66) p.499-502. il.

CLOTHING, Transport
Transport and distribution in the clothing industry. F. H. Woodward. Commercial Motor, 123 (29 Jul 66) p.78+. il.

CLOUD CHAMBERS, Teaching aids
Taylor cloud chamber. B. Taylor. Technical Education, 8 (Jul 66) p.316-17. il.

CLOUD POINT, Wax crystallisation, Cooling, Petroleum. See PETROLEUM, Cooling, Wax crystallisation, Cloud point

CLOVER, Red, Determination of acids, Chromatography, Silica gel, Detectors, Carbon-14, Scintillation counters
Silica gel chromatographic procedure adapted to liquid-scintillation counting of 14C labelled organic acids from plant material and silage. J.R. Lessard & P. McDonald. J. of the Science of Food & Agriculture, 17 (Jun 66) p.257-63. refs.

CLUBHOUSES
Army & Navy Club. Builder, 210 (14 Jan 66) p.53-5. il.
Charlemont social club, West Bromwich. Builder, 210 (7 Jan 66) p.6-8. il.

CLUBHOUSES, Golf. See GOLF, Clubhouses

CLUBHOUSES, Interior design
Club, Manchester: interior design [St. James's] Architectural Rev., 140 (Dec 66) p.437-40. il.

CLUBHOUSES (Sailing). See SAILING, Clubhouses

CLUTCHES
Clutches. Engrs.' Digest, 27 (Nov 66) p.113

CLUTCHES, Electric
Electric clutches. H. Sains. Engrs.' Digest, 27 (Nov 66) p.115+. il.

CLUTCHES, Electromagnetic
Makers and suppliers of clutches and brakes. Engng. Materials & Design, 9 (Oct 66) p.1632-3. il.
Power transmission. Pt.4: industrial clutches and brakes. Engng. Materials and Design, 9 (Oct 66) p.1625-31. il. refs.

CLUTCHES, Electromagnetic, Control systems, Stainless steel conveyors, Furnaces, Heat treatment, Glass. See GLASS, Heat treatment, Furnaces, Conveyors, Steel, Stainless, Control systems, Clutches, Electromagnetic

CLUTCHES, Electromagnetic, Control systems, Tension, Sizing machines, Yarns. See YARNS, Sizing, Machines, Tension, Control systems, Clutches, Electromagnetic

CLUTCHES, Electrostatic
Electrostatic clutches [Hirst Research Centre, Wembley] Engng. Materials & Design, 9 (Oct 66) p.1636-7. il.
Electrostatic clutches based on the Johnsen-Rahbek effect. R. W. Dudding & H. H. W. Losty. G. E. C. Journal, 33 no.1 (1966) p.2-8. il. refs.

CLUTCHES, Linings, Friction, Capacity
Application of variable coefficient of friction and wear to block brakes and clutches. J. C. Heap. J. of Mechanical Engng. Science, 8 (Dec 66) p.406-18. il. refs.

CLUTCHES, Magnetic
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CLUTCHES, Motor cycles
Clutch, our Cinderella. P. Vincent. Motor Cycle, 116 (2 Jun 66) p.732-3. il.

CLUTCHES, Sprag. See SPRAG CLUTCHES

CLUTCHES, Sprag, Papermaking equipment. See PAPERMAKING, Equipment, Clutches, Sprag

CLUTCHES, Vacuum
Rapid-response vacuum clutch-brake unit. P.G. Foret. Engrs.' Digest, 27 (Sep 66) p.102-3. il.

CLYDE RIVER
See
DOCKS, Dry, Greenock
PORTS, Clyde River

CLYWEDOG
See
DAMS, Reservoirs, Clywedog

COACH HOUSES, Conversion to houses. See HOUSES, Conversion from coach houses

COACHES. See MOTOR COACHES

COAGULATION, Water. See WATER, Coagulation

COAL
Related Headings:
- ANTHRACITE
- CANNEL COAL
- COKE
- FUELS, Solid
- FUSAIN
- LIGNITE
- VITRAIN

COAL–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Physico-chemical aspects
  - *Microscopes*

- Physics
  - *Surface area measurement*
  - *Breakage*
  - *Hardness*

- Chemistry
  - *Heating*
    - *Calorific value*
  - Combustion
  - *Thermal decomposition*
    - *Carbonisation*
  - *Dehydrogenation*
  - *Oxidation*
  - *Swelling*
  - *Carbon dioxide sorption*
  - *Methane sorption*
  - *Nitrous oxide adsorption*
  - Constituents
    - *Carbonyls*
    - Minerals
      - *Fusinites*
    - *Macerals*
    - *Ash*
    - *Carbon*
    - *Determination of...*

- *Geology*
  - *Pyrite–Siderite association*
  - *Rank*

- *Microbiology*

- Technical operations
  - *Prospecting*
  - *Mining*
  - *Preparation*
    - *Classifiers*
    - *Flotation*
    - *Cleaning*
  - *Pulverisation*
  - Chemical processing
    - *Gasification*
  - *Mechanical handling*
    - *Handling, Ports*
    - *Loading*
  - *Distribution*
  - *Transport*
  - *Storage*
    - *Bunkers*

COAL–SUBHEADINGS–Synopsis–cont.

- Forms of coal
  - *Pulverised*
  - *Slurry*

- Kinds of coal
  - *Brown*
  - *Sub-bituminous*
  - *Bituminous*

- *Utilisation*

- *Products*
  - *Chemicals*

COAL, Ash, Analysis, X-ray absorption
Coal-ash determination by Cendrex. R. E. Milner. Industrial Electronics, 4 (Feb 66) p.56-8. il.

COAL, Bituminous, Chemicals, Production, Halogenation
Halogenation of coal. Pt.1: kinetics and products of controlled reactions in liquid media. J. C. Macrae & R. Oxtoby. Fuel: J. of Fuel Science, 44 (Nov 65) p.395-407. il. refs.

COAL, Bituminous, Dissolution, Tetrahydronapthalene, Activation energy
Experimental energies and entropies of activation—their significance in reaction mechanism and rate prediction for bituminous coal dissolution. G. R. Hill. Fuel: J. of Fuel Science, 45 (Jul 66) p.329-40. refs.

COAL, Bituminous, Pyrites, Sulphur, Extraction
Experiments on the removal of sulphur from coal and coke. P. H. Given & J. R. Jones. Fuel: J. of Fuel Science, 45 (Mar 66) p.151-8. il. refs.

COAL, Boilers. See BOILERS, Coal

COAL, Breakage, Energy, Measurement
Measurement of the specific fracture energy of coal. P. English & F. J. Hiorns. Instn. of Mining & Metallurgy Trans., 75 (Mar 66) p.C87-94. il. refs.

COAL, Brown, Firing, Boilers, Power stations. See POWER STATIONS, Boilers, Brown coal fired

COAL, Brown, Strength
Mechanics of brown coal. D. H. Trollope, K. J. Rosengren & E. T. Brown. Géotechnique, 15 (Dec 65) p.363-86. il. refs.

COAL, Bunkers
Open-type surface bunkering at Manvers Main Colliery. G. Round. Colliery Guardian, 213 (5 Aug 66) p.184-8. il.

COAL, Calorific value
Calorific values. Power & Works Engng., 61 (Jul 66) p.43-5. il.

COAL, Carbon, Aromatic
Molecular volume and the aromaticity of coal. Pt.3: evaluation of corrections. E. K. Harrison. Fuel: J. of Fuel Science, 45 (Sep 66) p.397-406. ref.

COAL, Carbon dioxide sorption, Effect of pressure
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COAL, Carbon dioxide sorption, Effect of weathering
Natural factors influencing coal sorption properties. Pt.2: gas capacity of coals found in weathering zone of coal deposits. I. Ettinger, G. Lidin & I. Eremin. Fuel: J. of Fuel Science, 45 (Jul 66) p.277-82. refs.

COAL, Carbon production. See CARBON, Production, Coal

COAL, Carbonisation
Coal supplies and carbonization processes. N.M. Potter & H.B. Locke. Mining Engr., 125 (Jun 66) p.559-72. refs.
Coal supplies and carbonization processes (summary) N.M. Potter & H.B. Locke. Smokeless Air, 37 (Autumn 66) p.37-9

COAL, Carbonisation, Products, Australia

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COAL, Carbonyls, Spectroscopy, Infra-red

Absorption band at $1600cm^{-1}$ in the infra-red spectra of coal—molecular orbital approach. S. Fujii & H. Tsuboi. Fuel: J. of Fuel Science, 45 (Sep 66) p.369-74. ref.

COAL, Chemicals

Feedstocks for the chemical industry. S. A. Mann. Chemistry in Britain, 2 (Jan 66) p.20-3. il. refs.

COAL, Classifiers

Efficiency of classifiers. J.C. Richards. Brit. Coal Utilisation Research Ass. Monthly Bull., 30 (Apr/May 66) p.113-44. il. refs.

COAL, Cleaning, Fines, Drying, Heating, Infra-red

Fine coal drying. J. Rees, J. I. Israel & J. Platt. Colliery Engng., 43 (Aug 66) p.334-7. il. refs.

COAL, Cleaning, Plant

Sumitomo Tacub jig: washbox from Japan claimed to be more efficient than the conventional Baum jig. Colliery Engng., 43 (Jan 66) p.30-2. il.

COAL, Cleaning, Tailings, Flocculation

Washery water clarification. W. E. Raybould. Effluent & Water Treatment J., 6 (Feb 66) p.69+. il. refs.

COAL, Coking. See COKING, Coal

COAL, Dehydrogenation, Studies, Bromination

Chemical and nuclear magnetic resonance study of brominated coals and their behaviour when heated. A. C. Cunningham, W. R. Ladner, R. Wheatley & W. F. Wyss. Fuel: J. of Fuel Science, 45 (Jan 66) p.61-71. il. refs.

COAL, Determination of carbon-13, Mass spectrometry

Determination of the abundance of carbon and nitrogen isotopes in Dutch coals and natural gas. C. Bokhoven & H. J. Theeuwen. Nature, 211 (27 Aug 66) p.927-9. refs.

COAL, Determination of minerals, X-ray diffraction

Identification of minerals in single particles of coal by the X-ray powder method. A. F. Rekus & A. R. Haberkorn. J. of Inst. of Fuel, 39 (Nov 66) p.474-7. il. refs.

COAL, Determination of moisture, Nuclear magnetic resonance

Moisture in coal by n.m.r.: effect of mineral matter and size. W. R. Ladner & R. Wheatley. J. of Inst of Fuel, 39 (Jul 66) p.280-4. il. refs.

COAL, Determination of nitrogen-15, Mass spectrometry

Determination of the abundance of carbon and nitrogen isotopes in Dutch coals and natural gas. C. Bokhoven & H. J. Theeuwen. Nature, 211 (27 Aug 66) p.927-9. refs.

COAL, Determination of volatile matter

Determination of volatile matter in coal and coke. D. E. Shipley. Fuel: J. of Fuel Science, 45 (Jul 66) p.283-94. il. refs.

COAL, Distribution

Coal distribution. J.M. Menheneott. Colliery Engng., 43 (Jun 66) p.257-63

COAL, Dust–Oxygen, Flames. See FLAMES, Coal dust–Oxygen

COAL, Filters, Effluents, Sewage, Reclamation, Water. See WATER, Reclamation, Sewage, Effluents, Filters, Coal

COAL, Flotation, Froth, Contamination

Flotation kinetics: gangue mineral contamination of froth. A. Jowett. Brit. Chemical Engng., 11 (May 66) p.330-2. il. refs.

COAL, Flotation, Heavy medium

Heavy media cleaning circuits [Teska] A. Hegarty. Colliery Guardian, 212 (15 Apr 66) p.488-9. il.

COAL, Fusinites, Conversion from exinite, Biochemical reactions

Biochemical alteration of exinites and the origin of some semifusinites. J. A. Bell & D. G. Murchison. Fuel: J. of Fuel Science, 45 (Sep 66) p.407-18. ref.

COAL, Gasification, Underground

Note on the reaction mechanism in the underground gasification of coal. J. Szekely & N. G. Maroudas. Trans. of Chemical Engrs., 44 (Jan/Feb 66) p.T3-6. il. refs.

COAL, Geology, Dykes, Cavities

Recently discovered cavity in a dyke in the Northumberland coalfield. A. O. Randall & J. M. Jones. Mining Engr., 125 (Feb 66) p.309-17. il. refs.

COAL, Handling, Ports

New coal terminal at Conneaut. Dock & Harbour Authority, 46 (Jan 66) p.289-91. il.

COAL, Hardness

Hardness of coal and its associated minerals. D. R. Cooling. Brit. Coal Utilisation Research Ass. Monthly Bull., 29 (Dec 65) p.409-35. il. refs.

COAL, Heating, Spontaneous

Spontaneous heating of coal. B. R. Pursall & C. Narain. Colliery Guardian, 213 (28 Oct 66) p.553-8. il. refs.

COAL, Heating, Spontaneous, Effect of moisture, Determination, Microcalorimeters

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COAL, Industry, France

'Moi de Gaulle' has views on coal. Colliery Guardian, 212 (13 May 66) p.589

COAL, Industry, Great Britain

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Automation: reflections on the background and implications, pt.2. H. J. James. Colliery Guardian, 213 (2 Dec 66) p.716-20. refs.

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Changing pattern of mine management. R. H. Tucker. Mining Engr., 125 (May 66) p.527-32

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Header into the red ink: NCB annual report. Lord Robens. Colliery Guardian, 213 (16 Sep 66) p.353-7

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Walk up the Eiger. Lord Robens. Colliery Guardian, 212 (3 Jun 66) p.681+

COAL, Loading, Railways, Wagons, Control systems

Loading coal wagons at 15,000 ton/day. Mechanical Handling, 53 (Sep 66) p.433-5. il.

COAL, Macerals, Chemistry

Chemical properties of coal macerals. Pt.2: inert components and a further examination of exinites. P. H. Given, M. E. Peover & W. F. Wyss. Fuel: J. of Fuel Science, 44 (Nov 65) p.425-35. refs.

COAL, Mechanical handling

Mechanical handling of works coal supplies. J.N. Williams. Power & Works Engng., 61 (Jun 66) p.5-10. il.

COAL, Methane sorption, Effect of pressure

Natural factors influencing coal sorption properties. Pt.3: Comparative sorption of carbon dioxide and methane on coals. I. Ettinger, A. Chaplinsky, E. Lamba & V. Adamov. Fuel: J. of Fuel Science, 45 (Sep 66) p.351-6. refs.

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COAL, Methane sorption, Petrography

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COAL, Microscopes, Hot stage

Use of microsample strip furnace in coal research. E. Rau & J. A. Robertson. Fuel: J. of Fuel Science, 45 (Jan 66) p.73-80. il. refs.

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COATED ALUMINIUM, Sheets, Caravans. See CARAVANS, Sheets, Aluminium, Coated

COATED ALUMINIUM, Sheets, Structures, Aircraft. See AIRCRAFT, Structures, Sheets, Aluminium, Coated

COATED CARTONS. See CARTONS, Coated

COATED CARTONS, Frozen peas. See PEAS, Frozen, Cartons, Coated

COATED CELLULOSIC FABRICS, Upholstery, Motor cars. See MOTOR CARS, Upholstery, Fabrics, Cellulosic, Coated

COATED FABRICS. See FABRICS, Coated

COATED GRAPHITE, Anodes. See ANODES, Graphite, Coated

COATED MACADAM, Basecourses, Roads. See ROADS, Basecourses, Macadam, Coated

COATED MACADAM, Bases, Roads. See ROADS, Bases, Macadam, Coated

COATED METAL SHEETS, Bodies, Commercial vehicles. See VEHICLES, Commercial, Bodies, Sheets, Metals, Coated

COATED METAL STRIPS. See STRIPS, Metal, Coated

COATED METALS. See METALS, Coated

COATED PAPER. See PAPER, Coated

COATED PAPER, Packaging, Perfumes. See PERFUMES, Packaging, Paper, Coated

COATED PAPER, Printing. See PRINTING, Paper, Coated

COATED PAPER, Sheet-fed offset lithography. See LITHOGRAPHY, Sheet-fed offset, Paper, Coated

COATED POLYESTER-GLASS FIBRE. See POLYESTER-GLASS FIBRE, Coated

COATED STEEL. See STEEL, Coated

COATED STEEL, Sheets, Bodies, Motor cars. See MOTOR CARS, Bodies, Sheets, Steel, Coated

COATED WHEELS, Diamond grinding. See DIAMOND GRINDING, Wheels, Coated

COATING

Related Headings:

- ALUMINISING
- CHROMISING
- ENAMELLING
- HARDFACING
- METALLISING
- PAINTING
- TINNING

COATING, Aluminium, Sheets. See SHEETS, Aluminium, Coating

COATING, Aluminium, Strips. See STRIPS, Aluminium, Coating

COATING, Bottoms, Hulls, See HULLS, Bottoms, Coatings

COATING, Copper. See COPPER, Coating

COATING, Fabrics, Upholstery. See UPHOLSTERY, Fabrics, Coating

COATING, Household appliances. See HOUSEHOLD APPLIANCES, Coating

COATING, Hulls, Boats. See BOATS, Hulls, Coating

COATING, Hydrofoil motor boats. See BOATS, Motor, Hydrofoil, Coatings

COATING, Insulators, Electric power systems. See ELECTRIC POWER SYSTEMS, Insulators, Coating

COATING, Lanthanum hexaboride, Cathodes, Bayard-Alpert ionisation gauges. See IONISATION GAUGES, Bayard-Alpert, Cathodes, Lanthanum hexaboride, Coating

COATING, Lighting fittings. See LIGHTING, Fittings, Coatings

COATING, Metals. See METALS, Coating

COATING, Metals. See METALS, Spraying

COATING, Metals, Strips. See STRIPS, Metal, Coating

COATING, Mild steel. See STEEL, Mild, Coating

COATING, Packaging materials. See PACKAGING, Materials, Coating

COATING, Paper. See PAPER, Coating

COATING, Paper, Offset lithography. See LITHOGRAPHY, Offset, Paper, Coating

COATING, Paper, Packaging. See PACKAGING, Papers, Coating

COATING, Paper, Printing. See PRINTING, Paper, Coating

COATING, Papers, Photography. See PHOTOGRAPHY, Papers, Coating

COATING, Printed labels. See LABELS, Printed, Coating

COATING, Solvent, Paper. See PAPER, Coating, Solvent

COATING, Steel. See STEEL, Coatings

COATING, Steel, Sheets. See SHEETS, Steel, Coating

COATING, Steel, Strips. See STRIPS, Steel, Coating

COATING, Steel, Wires. See WIRES, Steel, Coating

COATING, Steel components, Tankers, Ships. See TANKERS, Ships, Components, Steel, Coating

COATING, Supersonic aircraft. See AIRCRAFT, Supersonic, Coating

COATING, Tablets, Drugs. See DRUGS, Tablets, Coating

COATING, Tinplate. See TINPLATE, Coatings

COATING, Wire products. See WIRES, Products, Coating

COATINGS

Related Headings:

- ENAMELS
- LACQUERS
- PAINT
- VARNISHES

COATINGS, Aluminium, Silica fibres, Reinforced epoxy resins. See EPOXY RESINS, Reinforced-Silica fibres, Coatings, Aluminium

COATINGS, Aluminium, Steel, Structures. See STRUCTURES, Steel, Coatings, Aluminium

COATINGS, Aluminium, Steel substrates. See STEEL, Coatings, Aluminium

COATINGS, Bitumen, Accelerated weathering tests, Arcs, carbon

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COATINGS, Bitumen, Accelerated weathering tests, Arcs, Xenon

Comparison of xenon and carbon-arc weatherometers. Paint Technology, 30 (May 66) p.31-2. il.

COATINGS, Black asbestos, Tanks, Storage, Chemicals. See CHEMICALS, Storage, Tanks, Coatings, Black asbestos

COATINGS, Ceramics, Blades, Gas turbines, Aircraft. See AIRCRAFT, Gas turbines, Blades, Coatings, Ceramics

COATINGS, Concrete, Steel, Submarine pipelines, Town gas. See GAS (Town) Pipelines, Submarine, Steel, Coatings, Concrete

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COATINGS, Curing, Irradiation, Electrons

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COATINGS, Gas chromatography

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COATINGS, Plastics, Stators, Induction motors. See ELECTRIC MOTORS, Induction, Stators, Coating, Plastics

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COAXIAL LINES. See TRANSMISSION LINES, Electronics, Coaxial

COAXIAL LINES, Dielectric constant measurement, Liquid electrical insulating materials. See INSULATING MATERIALS, Electrical, Liquid, Dielectric constant, Measurement, Coaxial lines

COAXIAL LINES, U.H.F. television. See TELEVISION, U.H.F. Transmission lines

COAXIAL LINES, V.H.F. radio. See RADIO, V.H.F., Cables, Coaxial

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COBALT–MOLYBDENUM–NICKEL–STEEL, Undercarriages, Aircraft. See AIRCRAFT, Undercarriages, Steel–Cobalt–Molybdenum–Nickel

COBLAT–MOLYBDENUM SULPHIDE, Catalysts, Carbon monoxide removal, Purification, Town gas. See GAS (Town) Purification, Carbon monoxide removal, Catalysts, Cobalt–Molybdenum sulphide

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COERCIVE FORCE, Effect on iron loss, Magnetic cores. See CORES, Magnetic, Iron loss, Effect of coercive force

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COLD CLIMATES, Temperature, Rubber. See RUBBER, Temperature, Cold climates

COLD CURING, Epoxy resins–Polyamides, Coatings. See COATINGS, Epoxy resisn–Polyamides, Curing, Cold

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COLD DRAWING, Metal, Tubes. See TUBES, Metal, Cold drawing

COLD DRAWING, Mild steel. See STEEL, Mild, Drawing, Cold

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COLD DRAWING, Steel, Wires. See WIRES, Steel, Drawing, COLD DRAWN MILD STEEL, Pipes, Hydraulic machinery. See HYDRAULIC MACHINERY, Pipes, Steel, Mild, Cold drawn

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COLD DRAWN STEEL TUBES, Rollers, Winding, Textured man-made fibres, Yarns, Knitting. See KNITTING, Yarns, Man-made fibres, Textured, Winding, Rollers, Tubes, Steel, Cold drawn

COLD DRAWN TOUGH PITCH COPPER WIRES. See WIRES, Copper, Tough pitch, Cold drawn

COLD EXTRUSION, Brass, Cases, Cartridges. See CARTRIDGES, Cases, Brass, Extrusion, Cold

COLD EXTRUSION, Copper. See COPPER, Extrusion, Cold

COLD EXTRUSION, Final drives, Motor cars. See MOTOR CARS, Final drives, Extrusion, Cold

COLD EXTRUSION, Internal combustion engine components. See ENGINES (Internal combustion) Components, Extrusion, Cold

COLD EXTRUSION, Metals. See METALS, Extrusion, Cold

COLD EXTRUSION, Motor car parts. See MOTOR CARS, Parts, Extrusion, Cold

COLD EXTRUSION, Motor cars. See MOTOR CARS, Starters, Components, Extrusion, Cold

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COLD FORMING, Metals. See METALS, Forming, Cold

COLD FORMING, Steel, Motor car parts. See MOTOR CARS, Parts, Steel, Forming, Cold

COLD FORMING, Thermoplastics, Sheets. See SHEETS, Thermoplastics, Forming, Cold

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COLD PRESS MOULDING, Reinforced plastics. See PLASTICS, Reinforced, Moulding, Press, Cold

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COMPUTERS
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ANALOGUE—DIGITAL CONVERTORS
CODES, Binary
SHIFT REGISTERS

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This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

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    - *Buildings*
  - Operations
    - *Peripheral processing*
    - *List processing*

- *Programs*
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- Parts of computers
  - *Circuits*
  - Logical elements
    - *Fluid logic devices*
  - *Storage units*
  - *Peripheral processing equipment*
  - *Input units*
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    - *Printers*

- Performance
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- Kinds of computers
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  - *Conversational mode*
  - *Direct entry*
  - *Cryotron*
  - *Correlation*
  - *Analogue*
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  - *Training*

- Applications
  - *Simulators*
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COMPUTERS, Prefabricated building design. See BUILDINGS, Prefabricated, Design, Computers

COMPUTERS, Pressure surge analysis, Pipes. See PIPES, Pressure surges, Analysis, Computers

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COMPUTERS, Production control, Electronic components. See ELECTRONICS, Components, Production control, Computers

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COMPUTERS, Scheduling, Production management. See PRODUCTION, Management, Scheduling, Computers

COMPUTERS, Scheduling, Production management, Nylon, Yarns. See YARNS, Nylon, Production management, Scheduling, Computers

COMPUTERS, Sewer design, Stormwater. See STORMWATER, Sewers, Design, Computers

COMPUTERS, Shape calculations, Meniscus, Hydrometers. See HYDROMETERS, Meniscus, Shape, Calculations, Computers

COMPUTERS, Ship design, Tankers. See TANKERS, Ships, Design, Computers

COMPUTERS, Simulators, Acid open hearth furnaces. See FURNACES, Open hearth, Acid, Simulators, Computers

COMPUTERS, Simulators, D.C. interconnected electric power systems. See ELECTRIC POWER SYSTEMS, D.C. interconnected, Simulation, Computers

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COMPUTERS, Structural analysis, Frames, Structures. See STRUCTURES, Frames, Analysis, Computers

COMPUTERS, Structural analysis, Haunches, Beams, Tall buildings. See BUILDINGS, Tall, Beams, Haunches, Analysis, Computers

COMPUTERS, Structural analysis, Hinges, Bridges. See BRIDGES, Hinges, Analysis, Computers

COMPUTERS, Structural analysis, Multi-storey framed structures. See STRUCTURES, Framed, Multi-storey, Analysis, Computers

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COMPUTERS, Structural design, Bars, Reinforcement, Reinforced concrete, Buildings. See BUILDINGS, Concrete, Reinforced, Reinforcement, Bars, Design, Computers

COMPUTERS, Summation, Fourier series. See FOURIER SERIES, Summation, Computers

COMPUTERS, Symmetric linear simultaneous equation solution. See SIMULTANEOUS EQUATIONS, Linear, Symmetric, Solutions, Computers

COMPUTERS, Telephony engineering. See TELEPHONY, Engineering, Computers

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COMPUTERS, Worst case conditions, Design, Diode–Transistor switching circuits. See SWITCHING CIRCUITS, Diode–Transistor, Design, Worst case conditions, Computers

COMPUTERS, z-Transform analysis, Control systems. See CONTROL SYSTEMS, Analysis, z-Transforms, Computers

CONCAVE DIES, Extrusion. See EXTRUSION, Dies, Concave

CONCAVE GRATINGS, Interferometry, Helium–Neon, Lasers. See LASERS, Helium–Neon, Interferometry, Gratings, Concave

CONCENTRATED MILK. See MILK, Concentrated

CONCENTRATION, Flavours, Fruit. See FRUIT, Flavours, Concentration

CONCENTRATION, Mineral dressing. See MINERAL DRESSING, Concentration

CONCENTRIC CYLINDERS. See CYLINDERS, Concentric

''CONCEPT 4'' SYSTEM, Prefabricated houses. See HOUSES, Prefabricated, ''Concept 4'' system

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CONCRETE
Related Headings:
CEMENT
STONE, Reconstructed

CONCRETE–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Standardisation*

- Problems
  - *Frost damage*

- Properties
  - *Strength*
    - *Stress*
    - *Stress–Strain relationships*
    - *Compression*
    - *Creep*
    - *Thermal stresses*
  - *Pore water pressure*

  - Chemistry
    - *Effect of ammonium salts*
    - *Effect of sea water*

- Technical activities
  - *Microscopy*
  - Production
    - *Mixing*
      - *Mixes*
  - Breaking
    - *Breakers*
  - *Finishing*
  - Handling
    - *Pumping*

- Materials
  - *Aggregates*

- Kinds of concrete by process
  - *Ready mixed*
  - *Precast*
  - *Lightweight*
    - *Lightweight aggregate*
    - *Aerated*
  - *Reinforced*
  - *Prestressed*

CONCRETE–SUBHEADINGS–Synopsis–cont.
Kinds of concrete by material
Basalt aggregate
Chalk aggregate

Kinds of concrete by function
Heat-resistant
High strength

CONCRETE, Aerated
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Fire resistance testing of lightweight concrete. H. L. Malhotra. Fire, 59 (Jul 66) p.89-91. il.

CONCRETE, Aggregates
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CONCRETE (Basalt aggregate) Strength
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CONCRETE, Battery moulds, Casting, Concrete, Prefabricated housing components. See HOUSING, Prefabrication, Components, Concrete, Casting, Moulds, Battery, Concrete

CONCRETE, Battery moulds, Casting, Concrete panels, Buildings. See BUILDINGS, Panels, Concrete, Casting, Moulds, Battery, Concrete

CONCRETE, Beams. See BEAMS, Concrete

CONCRETE, Blocks. See BLOCKS, Concrete

CONCRETE, Blocks, Internal walls, Buildings. See BUILDINGS, Walls, Internal, Blocks, Concrete

CONCRETE, Breakers
Test proves one arrow=ten breakers. Highways & Public Works, 34 (1 Jun 66) p.12-14: il.

CONCRETE, Buildings. See BUILDINGS, Concrete

CONCRETE, Cells, Prisons. See PRISONS, Cells, Concrete

CONCRETE (Chalk aggregate) Strength
Observations on the relatively high strength of chalk-aggregate concrete. A. K. Galwey, K. A. Jones & R. S. Beckett. J. of Applied Chemistry, 16 (May 66) p.159-62. il. refs.

CONCRETE, Chimneys, Oil fired boilers, Power stations. See POWER STATIONS, Boilers, Oil fired, Chimneys, Concrete

CONCRETE, Cladding, University buildings. See UNIVERSITY BUILDINGS, Cladding, Concrete

CONCRETE, Coatings, Steel, Submarine pipelines, Town gas. See GAS (Town) Pipelines, Submarine, Steel, Coatings, Concrete

CONCRETE, Compression tests, Machines, Seatings, Friction
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CONCRETE, Cooling system components, Nuclear power stations. See NUCLEAR POWER STATIONS, Cooling systems, Component s, Concrete

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CONCRETE, Dams. See DAMS, Concrete

CONCRETE, Dams, Pumped storage, Hydroelectric power stations. See HYDROELECTRIC POWER STATIONS, Pumped storage, Dams, Concrete

CONCRETE, Decks, Bridges, Railways. See RAILWAYS, Bridges, Decks, Concrete

CONCRETE, Effect of ammonium salts
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CONCRETE, Floors. See FLOORS, Concrete

CONCRETE, Floors, Housing. See HOUSING, Floors, Concrete

CONCRETE, Floors, Radio studios. See RADIO, Studios, Floors, Concrete

CONCRETE, Foot bridges. See BRIDGES, Foot, Concrete

CONCRETE, Frames, Office buildings. See OFFICE BUILDINGS, Frames, Concrete

CONCRETE, Frost damage
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CONCRETE, High strength
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CONCRETE, Housing components. See HOUSING, Components, Concrete

CONCRETE, Lightweight, Blocks. See BLOCKS, Concrete, Lightweight

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CONCRETE, Lightweight, Prefabricated building components. See BUILDINGS, Prefabricated, Components, Concrete, Lightweight

CONCRETE, Lightweight, Prestressed
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CONCRETE, Lightweight, Thermal conductivity
Thermal and acoustic properties of lightweight concretes. A. G. Loudon & E. F. Stacy. Structural Concrete, 3 (Mar/Apr 66) p.58-95. il. refs.

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CONSTANT POWER PUMPS, Hydraulic machinery. See HYDRAULIC MACHINERY, Pumps, Constant power

CONSTANT POWER REGULATORS, Generators, R.F. heating, Curing, Adhesives, Wood manufactures. See WOOD, Manufactures, Adhesives, Curing, Heating, R.F., Generators, Constant power regulators

CONSTANT RESISTANCE MODULATORS, Frequency division multiplex, Communications engineering. See COMMUNICATIONS, Engineering, Multiplex, Frequency division, Modulators, Constant resistance

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CONTACT CATALYSTS. See CATALYSTS, Contact

CONTACT POTENTIAL

Related Headings:

SURFACE PHOTOPOTENTIAL

CONTACT POTENTIAL, Germanium. See GERMANIUM, Contact potential

CONTACT POTENTIAL, pH determination, Electrolytes. See ELECTROLYTES, pH determination, Contact potential

CONTACT POTENTIAL, Silicon. See SILICON, Contact potential

CONTACT SCREENS, Colour lithography, Half-tone illustrations. See ILLUSTRATIONS, Half-tone, Lithography, Colour, Screens, Contact

CONTACT SCREENS, Half-tone illustrations. See ILLUSTRATIONS, Half-tone, Screens, Contact

CONTACT TIME, Absorption, Reacting gas–liquid systems. See GAS–LIQUID SYSTEMS, Reacting, Absorption, Contact time

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CONTACTS, Electrical, Materials

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Related Headings:
- BAGS
- BARRELS
- BOTTLES
- BOXES
- CANS
- CAPSULES
- CARTONS
- CASKS
- CRATES
- DRUMS
- SACHETS
- SACKS
- STILLAGES
- TANKS
- TOTE BOXES
- VESSELS

CONTAINERS, Air transport, Freight. See FREIGHT, Transport, Air, Containers

CONTAINERS, Aluminium, Food. See FOOD, Containers, Aluminium

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CONTAINERS, Freight, Road haulage. See ROADS, Haulage, Freight containers

CONTAINERS, Glass, Food. See FOOD, Containers, Glass

CONTAINERS, Glass, Storage, Fission products, Wastes, Nuclear reactors. See NUCLEAR REACTORS, Wastes, Fission products, Storage, Containers, Glass

CONTAINERS, High density polythene, Lubrication oils, Motor cars. See MOTOR CARS, Lubricating oils, Containers, Polythene, High density

CONTAINERS, Insulated, Vacuum
Related Headings:
- DEWAR VESSELS

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CONTAINERS, Powders. See POWDERS, Containers

CONTAINERS, Railway–Ferry systems, Transport, Freight. See FREIGHT, Transport, Railway–Ferry systems, Containers

CONTAINERS, Refrigerated, Transport, Frozen food. See FOOD, Frozen, Transport, Containers, Refrigerated

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CONTINUOUS CAST STEEL BILLETS. See BILLETS, Steel, Cast, Continuous
CONTINUOUS CASTING, Billets, Steel, Tubes. See TUBES, Steel, Billets, Casting, Continuous
CONTINUOUS CASTING, Bronze. See BRONZE, Casting, Continuous
CONTINUOUS CASTING, Non-ferrous metals. See NON-FERROUS METALS, Casting, Continuous
CONTINUOUS CASTING, Permanent magnets. See MAGNETS, Permanent, Casting, Continuous
CONTINUOUS CASTING, Steel. See STEEL, Casting, Continuous
CONTINUOUS STATIONERY. See STATIONERY, Continuous
CONTINUOUS VERTICAL RETORTS, Town gas production. See GAS (Town) Production, Retorts, Continuous, Vertical
CONTINUOUS WAVE NEODYMIUM DOPED GLASS LASERS. See LASERS, Glass, Doped, Neodymium, Continuous wave
CONTINUOUS WAVE RADAR. See RADAR, Continuous wave
CONTINUOUS WAVE SOLID STATE LASERS. See LASERS, Solid state, Continuous wave
CONTOURED BORES. See BORES, Contoured
CONTROL, Remote, Auxiliary diesel engines, Ships. See SHIPS, Diesel engines, Auxiliary, Control, Remote
CONTROL, Remote, Cargoes, Handling, Tankers, Ships. See TANKERS, Ships, Cargoes, Handling, Control, Remote
CONTROL, Remote, Conveyors, Coal mining. See COAL, Mining, Conveyors, Control, Remote
CONTROL, Remote, Diesel engines, Ships. See SHIPS, Diesel engines, Control, Remote
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CONTROL, Remote, Ripple injection, Control, Domestic load, Electric power systems. See ELECTRIC POWER SYSTEMS, Load, Domestic, Control, Ripple injection, Remote control
CONTROL, Remote, Shearer loaders, Coal mining. See COAL, Mining, Shearer loaders, Control, Remote
CONTROL, Remote, Signs, Motorways. See MOTORWAYS, Signs. Control, Remote
CONTROL, Remote, Steam turbines, Tankers, Ships. See TANKERS, Ships, Steam turbines, Control, Remote
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CONTROL SYSTEMS

Related Headings:

- ACTUATORS
- CYBERNETICS
- FEEDBACK
- GOVERNORS
- HALL GENERATORS
- LEVEL CONTROL
- POSITIONING CONTRCL
- PROGRAMMERS
- SERVOMECHANISMS
- SERVO VALVES

CONTROL SYSTEMS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Education*
- *Research*

- *Analysis*
  - *Simulators*
  - *Dynamics*
  - *Phase-plane representation*
  - *Pontrjagin's principle*
  - *Stability*
  - Response
    - *Sensitivity*
    - *Impulse response*
    - *Frequency response*

- Components
  - *Module units*
  - *Mechanical components*
  - *Instruments*
  - *Computers*
  - *Pulse width modulators*

- Kinds of control systems
  - *Fluid*
    - *Fluid jet*
    - *Pneumatic*
  - *Electro-pneumatic*
    - *Electro-hydraulic*
  - *Ultrasonic*
  - *Proportional*
  - *Adaptive*
    - *Hill climbing*

  - *Non-unity feed-back*

  - *Second order*
  - *Third order*

  - *Non-linear*
  - *Multivariable*
  - *Time sharing*
  - Discontinuous
  - *Sampled data*

CONTROL SYSTEMS–SUBHEADINGS–Synopsis–cont.

- Applications
  - *Distribution networks*
  - Mechanical engineering
    - *Boilers*
    - *Pumps*
    - Mechanical handling
      - *Lifts*
      - *Conveyors*
    - *Machine tools*
      - *Lathes*
  - Civil engineering
    - *Reservoirs*
  - Electrical engineering
    - *Electrical machinery*
      - *Ward Leonard sets*
    - *Electric motors*
    - *Electric power systems*
      - *Power stations*
        - *Hydroelectric power stations*
        - *Nuclear power stations*

  - *(Instruments)*
  - *Rockets*
  - *Missiles*

  - Transport
    - *Aircraft*
    - *Ships*
      - *Trawlers*
  - Agricultural equipment
    - *Agricultural machinery*
  - *Bakeries*
  - *Warehouses*

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CONTROL SYSTEMS, Adaptive, Milling machines. See MILLING, Machines, Control systems, Adaptive

CONTROL SYSTEMS, Adaptive, Model reference

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CONTROL SYSTEMS, Adaptive, Model reference, Perturbations

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CONTROL SYSTEMS, Aircraft servicing. See AIRCRAFT, Servicing, Control systems

CONTROL SYSTEMS, Alarm signal processing, Nuclear power stations. See NUCLEAR POWER STATIONS, Alarm signals, Processing, Control systems

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CONTROL SYSTEMS, Arc butt welding, Metals, Pipes. See PIPES, Metal, Welding, Butt, Arc, Control systems

CONTROL SYSTEMS, Arc welding. See WELDING, Arc, Control systems

CONTROL SYSTEMS, Armature winding. See ARMATURES, Winding, Control systems

CONTROL SYSTEMS, Arms, Artificial limbs. See ARMS, Artificial limbs, Control systems

CONTROL SYSTEMS, Assembly, Ball bearings. See BEARINGS, Ball, Assembly, Control systems

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CONTROL SYSTEMS, Batch production. See BATCH PRODUCTION, Control systems

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CONTROL SYSTEMS, Belt conveyors, Coal mining. See COAL, Mining, Conveyors, Belt, Control systems

CONTROL SYSTEMS, Bessemer process, Steel production. See STEEL, Production, Bessemer process, Control systems

CONTROL SYSTEMS, Biscuit manufactures. See BISCUITS, Manufactures, Control systems

CONTROL SYSTEMS, Blending, Malt. See MALT, Blending, Control systems

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CONTROL SYSTEMS, Boring machines. See BORING, Machines, Control systems

CONTROL SYSTEMS, Breakage, Beaming, Yarns. See YARNS, Beaming, Breakage, Control systems

CONTROL SYSTEMS, Brick manufactures. See BRICKS, Manufactures, Control systems

CONTROL SYSTEMS, Burners, Gas-fired ovens, Biscuit manufactures. See BISCUITS, Manufactures, Ovens, Gas-fired, Burners, Control systems

CONTROL SYSTEMS, Burners, Oil-fired boilers. See BOILERS, Oil-fired, Burners, Control systems

CONTROL SYSTEMS, Burners, Town gas. See GAS (Town) Burners, Control systems

CONTROL SYSTEMS, Cadmium, Electroplating . See ELECTROPLATING, Cadmium, Control systems

CONTROL SYSTEMS, Cake manufacture. See CAKE, Manufacture, Control systems

CONTROL SYSTEMS, Calcium hydroxide softening, Water. See WATER, Softening, Calcium hydroxide, Control systems

CONTROL SYSTEMS, Calorific value, Light petroleum distillates, Town gas production. See GAS (Town) Production, Light petroleum distillates, Calorific value, Control systems

CONTROL SYSTEMS, Capstan lathes. See LATHES, Capstan, Control systems

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CORROSION

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HEAT, Exchangers, Cryogenics
HELIUM, Expansion, Engines
HELIUM, Expansion, Turbines
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HELIUM, Thermodynamics, Cryogenics
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REFRIGERATORS, Expansion turbines
SATELLITES, Artificial, Communication, Stations, Amplifiers, Parametric, Cryogenics
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SUPERLATTICE STRUCTURES
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CURCUMIN, Reagents, Spectrophotometry, Boron determination, Nickel. See NICKEL, Determination of boron, Spectrophotometry, Reagents, Curcumin

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CURIE POINT, Cores, Inductors, Heating, Icing prevention, Conductors, Overhead power transmission lines. See POWER TRANSMISSION LINES, Overhead, Conductors, Icing, Prevention, Heating, Inductors, Cores, Curie point

CURING, Acrylic plastic, Artificial teeth manufactures. See TEETH, Artificial, Acrylic plastics, Manufactures, Curing

CURING, Adhesives. See ADHESIVES, Curing

CURING, Adhesives, Bandings, Edgings, Wood, Furniture. See FURNITURE, Wood, Edgings, Bandings, Adhesives, Curing

CURING, Adhesives, Bonding, Rigid thermoplastics. See THERMOPLASTICS, Rigid, Bonding, Adhesives, Curing

CURING, Adhesives, Wood, Coffin manufactures. See COFFINS, Wood, Manufactures, Adhesives, Curing

CURING, Adhesives, Wood furniture manufactures. See FURNITURE, Wood, Manufactures, Adhesives, Curing

CURING, Adhesives, Wood furniture manufactures, Bedrooms. See BEDROOMS, Furniture, Wood, Manufactures, Adhesives, Curing

CURING, Adhesives, Wood furniture manufactures, Kitchens. See KITCHENS, Furniture, Wood, Manufactures, Adhesives Curing

CURING, Adhesives, Wood manufactures. See WOOD Manufactures, Adhesives, Curing

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CURING, Cold, Epoxy resins–Polyamides, Coatings. See COATINGS, Epoxy resins–Polyamides, Curing, Cold

CURING, Cold, Epoxy resins–Polyamines, Coatings. See COATINGS, Epoxy resins–Polyamines, Curing, Cold

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CURRENT, Dielectric, Cyclohexane. See CYCLOHEXANE, Dielectric currents

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CURRENT, Diffusion, Inactive surfaces, Rotating disc electrodes. See ELECTRODES, Rotating disc, Inactive surfaces, Current, Diffusion

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CURRENT, Impulses, Stimulators, Heart. See HEART, Stimulators, Current impulses

CURRENT, Leakage, Electrolytic capacitors. See CAPACITORS, Electrolytic, Current leakage

CURRENT, Leakage, Transistors. See TRANSISTORS, Current leakage

CURRENT, Prebreakdown, Gas discharge, Helium. See HELIUM, Gas discharge, Prebreakdown, Current

CURRENT, Pre-breakdown, Insulation, Gaps, Vacuum. See VACUUM, Gaps, Insulation, Pre-breakdown

CURRENT, Semiconductors. See SEMICONDUCTORS, Current

CURRENT, Sheets, Guns, Acceleration, Plasmas. See PLASMAS, Acceleration, Guns, Current sheets

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CURRENT–VOLTAGE RELATIONSHIPS, Electrolysis, Electrodes. See ELECTRODES, Electrolysis, Current–Voltage relationships

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CURTAIN JETS, Air cushions, Hovercraft. See HOVERCRAFT, Air cushions, Curtain jets

CURTAIN WALLS. See WALLS, Curtain

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CURVED SURFACES. See SURFACES, Curved

CURVED TRACK, Marshalling yards, Railways. See RAILWAYS, Marshalling yards, Curved track

CURVES, Rear propulsion, Trains. See TRAINS, Rear propulsion, Curves

CURVES, Roads. See ROADS, Curves.

CURVES, Wood. See WOOD, Curves

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CUSHIONS, P.V.C., Safety, Motor cars. See MOTOR CARS, Safety, Cushions, P.V.C.

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CUTLERY. See EDGE TOOLS

CUTLERY, Tableware. See TABLEWARE, Cutlery

CUTTERS, Boring machines. See BORING, Machines, Cutters

CUTTERS, Capstan lathes. See LATHES, Capstan, Cutters

CUTTERS, Centre lathes. See LATHES, Centre, Cutters

CUTTERS, Clamped tip, Machine tools, Machining, Motor car parts. See MOTOR CARS, Parts, Machining, Machine tools, Cutters, Clamped tip

CUTTERS, Clamped tip, Machine tools, Machining, Turbojet components, Supersonic aircraft. See AIRCRAFT, Supersonic, Turbojets, Components, Machining, Machine tools, Cutters, Clamped tip

CUTTERS, Diamond, Machining, Ultrasonics. See ULTRASONICS, Machining, Cutters, Diamond

CUTTERS, Diamond impregnated, Ultrasonics, Drilling, Ceramics. See CERAMICS, Drilling, Ultrasonics, Cutters, Diamond impregnated

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CUTTERS, Trepanning. See TREPANNING, Cutters

CUTTING
Related Headings:
    CROPPING
    EDGE TOOLS
    SAWING
    SECTIONING
    SHEARING
CUTTING, Bones. See BONES, Cutting
CUTTING, Coal mining. See COAL, Mining, Cutting
CUTTING, Curves, Wood. See WOOD, Curves, Cutting
CUTTING, Diamond, Gems. See GEMS, Cutting, Diamond
CUTTING, Diamond, Grooves, Concrete, Roads. See ROADS, Concrete, Grooves, Diamond cutting
CUTTING, Flame. See FLAME CUTTING
CUTTING, Food. See FOOD, Cutting
CUTTING, Gears . See GEARS, Cutting
CUTTING, Glazing beads, Windows. See WINDOWS, Glazing beads, Cutting
CUTTING, Grooves, Cams, Zoom lens manufactures, Cameras. See CAMERAS, Lenses, Zoom, Manufactures, Cams, Grooves, Cutting
CUTTING, Grooves, Sound records, Discs. See DISCS, Sound records, Grooves, Cutting
CUTTING, Hot wire, Expanded polystyrene. See POLYSTYRENE, Expanded, Cutting, Hot wire
CUTTING, Limestone. See LIMESTONE, Cutting
CUTTING, Metals. See METALS, Cutting
CUTTING, Paper. See PAPER, Cutting
CUTTING, Steel, I-section beams. See BEAMS, I-section, Steel, Cutting
CUTTING, Threads, Leadscrews, Machine tools. See MACHINE TOOLS, Leadscrews, Threads, Cutting
CUTTING, Threads, Racks, Machinery. See RACKS, Machinery, Threads, Cutting
CUTTING, Walls, Flats. See FLATS, Walls, Cutting
CUTTING, Wood, Ellipses. See ELLIPSES, Wood, Cutting
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CUTTING FLUIDS, Motor vehicle manufactures. See MOTOR VEHICLES, Manufactures, Cutting fluids

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CWMBRAN
See
    ROADS, Traffic, Segregation, Cwmbran
    TOWN PLANNING, Cwmbran
CYANIDES, Reaction with *N*-cinnamylideneaniline. See *N*-CINNAMYLIDENEANILINE, Reaction with cyanides

CYANOGEN, Determination, Spot tests, Reagents, Copper ethylacetoacetate—Tetramethyldiaminodiphenylmethane
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CYANURIC CHLORIDE, Cross-linking, Nylon 6 fibres. See NYLON 6, Fibres, Cross-linking, Cyanuric chloride
CYBERNETICS
Related Headings:
    COMMUNICATION
CYCLAMATES, Sweeteners, Soft drinks. See DRINKS, Soft, Sweeteners, Cyclamates
CYCLES, Motor . See MOTOR CYCLES
CYCLIC BENDING, Steel, Beams. See BEAMS, Steel, Cyclic
CYCLIC COMPOUNDS
Related Headings:
    ACETALS, Perfumes
    ALKYLARYL SULPHONATES
    AMINES, Aromatic
    4-AMINOBIPHENYL
    ANILINE
    AROMATIC COMPOUNDS
    ARYLCYCLOPROPANES
    ASCORBIC ACID
    AZIDOCARBONYLAZEPINE
    AZOBENZENE
    BENZAZIDE
    BENZENE
    BENZOIC ACIDS
    BENZONORBORNADIENE
    1,4-BENZOQUINONE
    BENZOYL PEROXIDE
    BENZYNE
    BICYCLO-(2,2,1)-HEPTADIENE-2,5
    BIS-1, 4-DICHLOROBENZOYL PEROXIDE
    BORON COMPOUNDS, Cyclic
    CAPROLACTAM
    CHLOROBENZENE
    CHLOROPHENYLMERCAPTOCARBENE
    CHROMONES

CYCLIC COMPOUNDS
Related Headings–*cont.*
n–CINNAMYLIDENEANILINE
CORYNANTHEIDINE
CRESOL
CYCLAMATES
CYCLOHEXANE
CYCLOPROPANES
CYCLOPROPENOID ACIDS
DIARYLDIAZOMETHANE
DICARBONYLCYCLOPENTADIENYL COBALT
DICHLOROBENZENE
DIETHYL PHTHALATE
DIHYDROCORYNANTHEINE
trans-2, 3-DIMETHYLCYCLOPENTANONE
DINITHROPHENES
2, 4-DINITROPHENYLHYDROZONES
DIPHENOLS
DIPHENYL BORONIUM ION
DIPHENYLPHOSPHINOUS CHLORIDE
DIVINYLBENZENE
ETHERS, Cyclic
ETHYL BENZENE
EUGENOL
FRIEDELIN
GALLIC ACID
HETEROCYCLIC COMPOUNDS
HEXAFLUOROBENZENE
HEXANITRODIPHENYL COMPLEXES
HYDROQUINONE
4-HYDROXYBENZONITRILE
HYDROXY-1,3-DIENES
HYDROXYMERCURIBENZOIC ACID
ISONIAZID
JASMONE
KETALS, Perfumes
LACTONES

MALEIC ANHYDRIDE
L-*trans para*-MENTAHDIEN-OL-2
9-METHYL-Δ^{2}-OCTALIN,
NAPHTHALENE
NITROBENZENE
2-NITROPHENYL DIETHANOLAMINE
PENTACHLOROPHENOL
PHENANTHROLINE
PHENOL
anti–PHENYLBENZONORBORNADIENE
O-PHENYLENE PHOSPHOROCHLORIDITE
PHENYLHYDROXYLAMINE
PHENYLMERCAPTOCARBENE
PHENYLMERCURY COMPOUNDS
1-PHENYLPENT-1-EN-4-YN-3-OL
PHENYLPROPIOLOYL
PHLOROGLUCINOL
PHTHALIC ANHYDRIDE
PHTHALONITRILE
POLYCYCLIC COMPOUNDS
POTASSIUM BENZENE CARBOXYLATES
POTASSIUM ISOPHTHALATE
POTASSIUM TEREPHTHALATE
PYRIMIDINES
PYROCATECHOL
PYROGALLOL
QUINIZARIN
QUINONES
SALICYLATES
SODIUM TOLUENE-p-SULPHINATE DIHYDRATE
STERCULIC ACID
STEROIDS
STYRENE
TERPANES

CYCLIC COMPOUNDS
Related Headings–*cont.*
TERPENES
TERPINEN-4-OL
TETRACYCLINE
TETRAHYDRONAPHTHALENE
TETRAMETHYLDIAMINODIPHENYLMETHANE
TETRAPHENYLARSONIUM HYDROGEN DINITRITE
TOLUENE
TOLUENE-*para*-THIOL
p-TOLYLSULPHONYLACETONITRILE
TOLYLSULPHONYLMETHYLNITROSAMIDE
α-TRIFLUOROMETHYL-*ββ*-DIFLUOROSTYRENE
TRIPHENYLMETHANE
TRIPHENYLPHOSPHINE
TRIPHENYL PHOSPHINE DICHLORIDES
URSOLIC ACID
VERSALIDE
O-XYLENE

CYCLIC LOADING, Creep, Steel–Chromium–Manganese–Nickel. See STEEL–CHROMIUM–MANGANESE–NICKEL, Creep, Cyclic loading

CYCLIC TESTING, Torsion, Plasticity, Clays, Ceramics. See CERAMICS, Clays, Plasticity, Torsion, Testing, Cyclic

CYCLIC TORSION–TENSION, Fatigue, Annealed aluminium. See ALUMINIUM, Annealed, Fatigue, Tension–Torsion, Cyclic

CYCLIC TRIAXIAL COMPRESSION, Copper, Cubes. See CUBES, Copper, Compression, Triaxial, Cyclic

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CYCLONE FURNACES, Boilers, Power stations. See POWER STATIONS, Boilers, Furnaces, Cyclone

CYCLONE FURNACES, Boilers, Wood furniture manufactures. See FURNITURE, Wood, Manufactures, Boilers, Furnaces, Cyclone

CYCLONES, Extraction, Dust, Milling, Flour. See FLOUR, Milling, Dust, Extraction, Cyclones

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DIESEL ENGINES–SUBHEADINGS–Synopsis

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- Problems
  - *Noise*

- Properties
  - *Vibrations*
  - Temperature
    - *Cooling*

- Processes
  - *Combustion*
    - *Exhaust*

- Technical activities
  - *Design*

DIESEL ENGINES–SUBHEADINGS–Synopsis–cont.

- Technical activities–cont.
  - *Testing*
  - *Measurements*
  - *Manufactures*
    - *Quality control*

- Parts
  - *Components*
  - *Cylinders*
  - *Pistons*
  - *Piston rings*
  - *Crankshafts*
  - *Camshafts*
  - *Fuel injection pumps*
  - *Starters*
  - *Turbochargers*

- Feed materials
  - *Fuels*
  - *Lubricating oils*

- Kinds of diesel engines
  - *Supercharged*

- Applications
  - Generators, Electrical
    - *Alternators*
  - *Motor vehicles*
    - Commercial vehicles
      - *Lorries*
      - *Buses*
      - *Motor coaches*
    - *Tractors*
  - Railway vehicles
    - *Locomotives*
  - *Agricultural machinery*
    - *Combine harvesters*
    - *Farm tractors*
  - Marine
    - *Ships*
      - *Tankers*
    - *Motor boats*

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GALVANISING

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DIPPING, Forming, Rods, Copper wire manufactures. See WIRES, Copper, Manufactures, Rods, Forming, Dipping

DIPPING, Hot, Aluminised steel, Heat exchangers, Town gas appliances. See GAS (Town) Appliances. Heat exchangers, Steel, Aluminised, Hot dip

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DIPPING, Springs, Mattresses. See MATTRESSES, Springs, Dipping

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DISABLED PERSONS, Technical education. See TECHNICAL EDUCATION, Disabled persons

DISABLED PERSONS, Village planning. See VILLAGE PLANNING, Disabled persons

DISC BRAKES, Motor cars. See MOTOR CARS, Brakes, Disc

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DISC CENTRIFUGES, Particle size measurement, Dyes. See DYES, Particles, Size, Measurement, Centrifuges, Disc

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ANTHRAQUINONE DYES
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ELECTRIC POWER SYSTEMS
Related Headings:
POWER DISTRIBUTION
POWER STATIONS
POWER SUBSTATIONS
POWER TRANSMISSION

ELECTRIC POWER SYSTEMS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular countries
  - *Great Britain*
    - *Scotland*
      - *Edinburgh*
  - *Italy*
  - Asia
    - *Jordan*
    - *India*
    - *Hong Kong*
  - North America
    - U.S.A.
      - *Tennessee Valley*
  - South America
    - Argentina
      - *Buenos Aires*
  - *Australia*

- *Education*
- *Research*

- Properties
  - *Load*
  - *Transient response*

- Problems
  - *Faults*
  - Stability
    - *Travelling waves*
  - *Failure*

- Technical activities
  - *Analysis*
  - *Design*
  - *Protection*

- *Equipment*
  - *Control systems*
  - *Communication systems*
  - *Telemetering*
  - *Insulation*
  - *Insulators*
  - *Interconnections*

- Types of electric power systems
  - *D.C. interconnected*

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E de F adopts instant planning [Electricité de France] Electrical Times, 159 (13 Oct 66) p.561-2. il.

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Control centre for all France's electrical power. Engineering, 202 (8 Jul 66) p.57. il.

ELECTRIC POWER SYSTEMS, Control systems, Computers

Automatic system control: progress with Bristol scheme [CEGB's South Western Region] Electrical Rev., 178 (28 Jan 66) p.123-4. il.

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Computer to optimise system. Electrical Times, 149 (27 Jan 66) p.119-21. il.

Dynamic optimisation of a multimachine power system. H. Nicholson. Proc. of Instn. of Electrical Engrs., 113 (May 66) p.881-94. il. refs.

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ELECTRIC POWER SYSTEMS, D.C. interconnected, Simulation

Model D.C. transmission link for use in network analyser studies. J. T. Pender. Direct Current, 11 (Feb 66) p.20-1

ELECTRIC POWER SYSTEMS, D.C. interconnected, Simulation, Computers

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ELECTRIC POWER SYSTEMS, Design, Computers

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ELECTRIC POWER SYSTEMS, Edinburgh

City of Edinburgh electricity. W. Wood. Scottish Electrical Engr., 37 (Jan 66) p.48+

ELECTRIC POWER SYSTEMS, Education

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ELECTRIC POWER SYSTEMS, Equipment, Testing

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ELECTRIC POWER SYSTEMS, Faults, Analysis, Computers, Hybrid

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Insulator flashover prevention: coating or washing as answers to pollution problems (extracts) Electrical Times, 149 (12 May 66) p.703-5. il.

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Joint operation in Scotland. Electrical Times, 149 (2 Jun 66) p.814

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ELECTRIC RACK RAILWAYS. See RAILWAYS, Rack, Electric
ELECTRIC RAILCARS, Rack railways. See RAILWAYS, Rack, Railcars, Electric
ELECTRIC RAILWAYS. See RAILWAYS, Electric
ELECTRIC RAILWAYS, Opencast mining. See MINING, Opencast, Railways, Electric
ELECTRIC REACTORS. See REACTORS, Electric
ELECTRIC SAWS, Cutting, Bones. See BONES, Cutting, Saws, Electric
ELECTRIC SERVOMOTORS. See SERVOMOTORS, Electric
ELECTRIC SHAVERS. See SHAVERS, Electric

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ELECTRIC SHOCK, Prevention, Relays
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ELECTRIC SHUNTERS. See SHUNTERS,

ELECTRIC STRENGTH, Polythene. See POLYTHENE, Electric strength

ELECTRIC STRESSES, Gaseous cavities, Insulating materials, Parallel plane electrodes. See ELECTRODES, Plane, Insulating materials, Gaseous cavities, Electric stresses

ELECTRIC THREAD SEVERERS, Sewing machnines, Making-up, Clothing. See CLOTHING, Making-up, Sewing machines, Thread severers, Electric

ELECTRIC TRAINS. See TRAINS, Electric

ELECTRIC WHEELCHAIRS. See WHEELCHAIRS, Electric

ELECTRICAL AGRICULTURAL EQUIPMENT. See AGRICULTURAL EQUIPMENT, Electrical

ELECTRICAL CONDUCTIVITY. See CONDUCTIVITY, Electrical

ELECTRICAL CONDUCTIVITY, Arsenic selenide. See ARSENIC SELENIDE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Arsenic selenide telluride. See ARSENIC SELENIDE TELLURIDE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Caesium silicate glass. See GLASS, Caesium silicate, Conductivity, Electrical

ELECTRICAL CONDUCTIVITY, Calcium oxide. See CALCIUM OXIDE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Coatings. See COATINGS, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Cobalt, Doped, Nickel ferrites. See NICKEL FERRITES, Doped, Cobalt, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Cold drawn tough pitch copper, Wires. See WIRES, Copper, Tough pitch, Cold drawn, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Conductive substrates, Epitaxial films. See FILMS, Epitaxial (Substrates, Conductive) Electrical conductivity

ELECTRICAL CONDUCTIVITY, Dislocations, Single crystals, Electrical insulating materials. See INSULATING MATERIALS, Electrical, Crystals, Single, Dislocations, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Dispersions. See DISPERSIONS, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Electrolytes. See ELECTROLYTES, Conductivity

ELECTRICAL CONDUCTIVITY, Electrolytes, Lithium hydride aluminium triethyl. See LITHIUM HYDRIDE ALUMINIUM TRIETHYL, Electrolytes, Conductivity

ELECTRICAL CONDUCTIVITY, Fused silica. See SILICA, Fused, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Hexane. See HEXANE, Conductivity, Electrical

ELECTRICAL CONDUCTIVITY, Liquefied gases. See GASES, Liquefied, Conductivity

ELECTRICAL CONDUCTIVITY, Lithium borosilicate glass. See GLASS, Lithium borosilicate, Conductivity, Electrical

ELECTRICAL CONDUCTIVITY, Manganese oxide. See MANGANESE OXIDE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Plasmas. See PLASMAS, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Polyethylene terephthalate. See POLYETHYLENE TEREPHTHALATE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Sand. See SAND, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Single crystal, Alumina. See ALUMINA, Crystals, Single, Conductivity, Electrical

ELECTRICAL CONDUCTIVITY, Sodium borosilicate glass. See GLASS, Sodium borosilicate, Conductivity, Electrical

ELECTRICAL CONDUCTIVITY, Solutions, Electroplating. See ELECTROPLATING, Solutions, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Strontium oxide. See STRONTIUM OXIDE, Electrical conductivity

ELECTRICAL CONDUCTIVITY, Zinc chloride doped salt. See SALT, Doped, Zinc chloride, Electrical conductivity

ELECTRICAL DISCHARGE
Related Headings:
ARCS
CORONA
GAS DISCHARGE
GLOW DISCHARGE
LIGHTNING
SPARK DISCHARGE

ELECTRICAL DISCHARGE, Insulation, Transformers. See TRANSFORMERS, Insulation, Electrical discharge

ELECTRICAL DISCHARGE, Oil impregnated paper insulation, Transformers. See TRANSFORMERS, Insulation, Paper, Oil impregnated, Electrical discharge

ELECTRICAL DOUBLE LAYER. See ELECTROLYSIS, Double layer

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Related Headings:
A.C.
ADMITTANCE
BATTERY OPERATED
CAPACITANCE
CIRCUITS, Electric
COMMUNICATIONS, Engineering
CURRENT
D.C.
EARTHING
EDDY CURRENT
ELECTRETS
ELECTROMAGNETIC WAVES
ELECTRONICS
IMPEDANCE
INDUCTANCE
NETWORKS, Electrical
OHM'S LAW
PIEZOELECTRIC
PIEZOELECTRICITY
POTENTIAL
POWER FACTOR
POWER PLANT
POWER SUPPLIES
REACTANCE
RESISTANCE
RESISTIVITY
SPARK GAPS
SWITCHING
THERMOELECTRICITY
TRANSMISSION LINES
VACUUM, Gaps
VOLTAGE

ELECTRICAL ENGINEERING, Components
Related Headings:
BATTERIES
BUSBARS
CAPACITORS

ELECTRICAL ENGINEERING
Related Headings–*cont.*
- CELLS, Leclanché
- CHOPPERS
- CONDUCTORS, Electrical
- CONNECTORS, Electrical
- CONTACTS, Electrical
- CONVERTERS
- CORBINO DISCS
- ELECTRODES
- ELECTROMECHANICAL EQUIPMENT
- FUSES
- INDUCTORS
- INSULATORS
- INVERTERS
- MAGNETS
- POTENTIOMETERS
- RECTIFIERS
- RESISTORS
- RESONATORS
- SWITCHBOARDS
- SWITCHES
- SWITCHGEAR
- TERMINALS, Electrical
- TRANSFORMERS
- TRUNKING, Electrical
- WIRES, Insulated

ELECTRICAL ENGINEERING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Particular countries
- *Great Britain*
- *Poland*
- *Japan*

Organisations

Profession

Education

Research

Technical activities
- *Flow diagrams*

Materials
Components

ELECTRICAL ENGINEERING, Components, Handling, Ports
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ELECTRICAL ENGINEERING, Education
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ELECTRICAL ENGINEERING, Education (Management) Postgraduate
Practical engineering-management training for postgraduate electrical students. W.K. Roots. Electronics & Power, 12 (Oct 66) p.341-6. il. refs.

ELECTRICAL ENGINEERING, Education, Postgraduate
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ELECTRICAL ENGINEERING, Education, Scotland
S.E.T.S. is progressing. Scottish Electrical Engr., 37 (Nov 66) p.646

ELECTRICAL ENGINEERING, Education, South Scotland
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ELECTRICAL ENGINEERING, Education, U.S.A.
Electrical engineering education in the United States of America. F. Dellow. Electronics & Power, 12 (Mar 66) p.86-7

ELECTRICAL ENGINEERING, Education, Universities
Grass-roots electrical engineering education—visit to Kansas State University. P. C. Parks. International J. of Electrical Engng. Education, 4 (Oct 66) p.595-605

ELECTRICAL ENGINEERING, Education, Works visits
Exercise in liaison between industry and college [Stratford] R. J. Birkinshaw. Electrical Rev., 178 (15 Apr 66) p.567-8

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ELECTRICAL ENGINEERING, Great Britain
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ELECTRICAL ENGINEERING, History
Role of the electrical engineer in modern society. P.J. Fanning. Instn. of Electrical Engrs. Students Q.J., 37 (Sep 66) p.41-3
Some Victorian electricians. C. M. Jarvis. Electronics & Power, 12 (Apr 66) p.121-6. il.

ELECTRICAL ENGINEERING, Japan
Co-operation with a competitor. R. F. Masters. Electrical Rev., 179 (25 Nov 66) p.808-12. il.

ELECTRICAL ENGINEERING, Materials
Related Headings:
- ALUMINA, Ceramics, Electrical engineering
- CERAMICS, Electrical engineering
- EPOXY RESINS, Electrical engineering
- INSULATING MATERIALS, Electrical
- INSULATING OILS
- PLASTICS, Electrical engineering
- PLASTICS, Thermosetting, Electrical engineering
- STEEL, Electrical engineering materials

ELECTRICAL ENGINEERING, Materials, Research
Materials. Co-operative Electrical Research (Apr & Jul 66) p.13-17. il. refs.

ELECTRICAL ENGINEERING, Military. See MILITARY ENGINEERING, Electrical

ELECTRICAL ENGINEERING, Organisations
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ELECTRICAL ENGINEERING, Poland
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ELECTRICAL ENGINEERING, Profession
Electrical and electronic engineering—a professional career. M. G. Say. Instn. of Electrical Engrs. Students Q. J., 36 (Jun 66) p.195-8
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Survey on the electrical engineer in Israel. D. Kohn. International J. of Electrical Engng. Education, 4 (Jul 66) p.435-6

ELECTRICAL ENGINEERING, Research

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Siemens-Schuckert Research Centre, Erlangen. E. Teschemacher. Chemistry & Industry (30 Jul 66) p. 1322-6. il.

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ELECTRICAL EQUIPMENT

Related Headings:

BELLS, Electric

ELECTRICAL EQUIPMENT, Accidents, Investigation

Electrical accident casebook: varied circumstances complicate investigation, warn against hasty conclusions. J. G. Potter. Electrical Times, 149 (26 May 66) p.786-8. il.

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ELECTRODES, Water, Breakdown testing, Polythene, Film. See FILM, Polythene, Breakdown, Testing, Electrodes, Water

ELECTRODES, Zinc amalgam, Voltaic cells. See CELLS, Voltaic, Electrodes, Zinc amalgam

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ELECTROENDOSMOSIS. See ELECTRO-OSMOSIS

ELECTROFORMED NICKEL. See NICKEL, Electroformed

ELECTROFORMING
Related Headings:
GRINDING, Electrolytic

ELECTROFORMING, Cams, Drums, Xerography machines. See XEROGRAPHY, Machines, Drums, Cams, Electroforming

ELECTROFORMING, Copper. See COPPER, Electroforming

ELECTROFORMING, Die sinking. See DIE SINKING, Electroforming

ELECTROFORMING, Electronic components. See ELECTRONICS, Components, Electroforming

ELECTROFORMING, Metals. See METALS, Electroforming

ELECTROFORMING, Nickel. See NICKEL, Electroforming

ELECTROFORMING, Refractory metals. See METALS, Refractory, Electroforming

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ELECTRO-HYDRAULIC CONTROL SYSTEMS. See CONTROL SYSTEMS, Electro-hydraulic

ELECTRO-HYDRAULIC CONTROL SYSTEMS, Machine tools. See MACHINE TOOLS, Control systems , Electro-hydraulic

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ELECTRO-HYDRAULIC SERVO VALVES, Control systems, Machine tools. See MACHINE TOOLS, Control systems, Servo valves, Electro-hydraulic

ELECTRO-HYDRAULIC SWING BRIDGES, Railways. See RAILWAY, Bridges, Swing, Electro-hydraulic

ELECTRO-HYDRAULIC VALVES. See VALVES, Electro-hydraulic

ELECTRO-HYDRAULIC VALVES, Control systems, Burners, Town gas. See GAS (Town) Burners, Control systems, Valves, Electro-hydraulic

ELECTRO-HYDRAULIC VIBRATORS. See VIBRATORS, Electro-hydraulic

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CATHODOLUMINESCENCE
PHOSPHORS

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ELECTROLUMINESCENCE, Displays. See DISPLAYS, Electroluminescence

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ELECTROLUMINESCENCE, Oil, Transformers. See TRANSFORMERS, Oil, Electroluminescence

ELECTROLUMINESCENCE, Single crystals, Zinc sulphide. See ZINC SULPHIDE, Crystals, Single, Electroluminescence

ELECTROLUMINESCENCE, White mineral oil. See WHITE MINERAL OIL, Electroluminescence

ELECTROLUMINESCENCE, Zinc selenide, Films. See FILMS, Zinc selenide, ELECTROLUMINESCENCE, Zinc sulphide, Films. See FILMS, Zinc sulphide, Electroluminescence

ELECTROLYSIS

Related Headings:

- ALKALI NITRATES, Molten, Electrolytes
- ALKALINE EARTH CARBONATES, Electrolytes
- ALKALINE EARTH CHLORATES, Electrolytes
- ALKALINE EARTH NITRATES, Electrolytes
- ALKALINE EARTH SULPHATES, Electrolytes
- ALUMINIUM CHLORIDE–NITROBENZENE, Electrolytes
- ANODES, Azobenzene–Graphite, Rotating disc, Iodide solutions
- ANODES, Cobalt, Aqueous solutions
- ANODES, Cobalt, Perchloric acid solutions
- ANODES, Cobalt, Phosphoric acid solutions
- ANODES, Graphite, Cooled, Lead dioxide, Oxygen over potential
- ANODES, Graphite, Molten nitrate
- ANODES, Graphite, Molten potassium nitrate–sodium nitrate
- ANODES, Nickel, Acid solutions
- ANODES, Nickel, Sulphuric acid solutions
- ANODES, Platinum, Aqueous soltuions
- ANODES, Platinum, Methyl alcohol solutions
- ANODES, Platinum, Molten nitrite solutions
- ANODES, Platinum, Organic chemicals, Chemisorption
- ANODES, Platinum, Salt solutions, Polarisation
- ANODES, Platinum, Sulphuric acid solutions
- ANODES, Silver, Electrolysis
- ANTHRAQUINONE–METHYL ALCOHOL, Electrolytes
- BENZOPHENONE–METHYL ALCOHOL, Electrolytes
- CATHODES, Copper, Rotating disc, Glycerol–Sulphuric acid solutions
- CATHODES, Copper amalgam, Rotating disc, Nitrobenzene–Sulphuric acid solutions
- CATHODES, Gold, Acid solutions
- CATHODES, Gold, Alkali carbonates, Molten
- CATHODES, Iron, Armco, Potassium hydroxide solutions
- CATHODES, Mercury, Acid solutions
- CATHODES, Mercury, Aprotic electrolytes
- CATHODES, Mercury, Sulphate solutions
- CATHODES, Metals, Caustic soda solutions
- CATHODES, Metals, Hydrochloric acid solutions
- CATHODES, Palladium, Electrolysis
- CATHODES, Platinum–Rhodium, Acid solutions
- CATHODES, Platinum–Ruthenium, Acid solutions
- CATHODES, Silver, Potassium hydroxide solutions
- CATHODES, Steel, Sulphuric acid
- CAUSTIC SODA, Production, Brine, Electrolysis
- CHLORIDES, Molten, Electrolysis
- CRYOLITE, Molten, Electrolytes
- ELECTRODEPOSITION
- ELECTRODES, Cadmium, Cadmium perchlorate–Perchloric acid solutions
- ELECTRODES, Carbon, Activated–Oxygen
- ELECTRODES, Copper, Aqueous solutions
- ELECTRODES, Electrolysis
- ELECTRODES, Gold, Hydrogen peroxide–Sulphuric acid solutions
- ELECTRODES, Gold, Oxygen overvoltage
- ELECTRODES, Graphite, Alkali chloride solutions
- ELECTRODES, Graphite, Electrolysis
- ELECTRODES, Kinetics
- ELECTRODES, Lead, Sulphuric acid solutions
- ELECTRODES, Manganese dioxide, Electrolysis
- ELECTRODES, Meniscus
- ELECTRODES, Metals, Dissolution
- ELECTRODES, Platinum, Cathodic pre-activation
- ELECTRODES, Platinum, Dimethylsulphoxide–Salt solutions
- ELECTRODES, Platinum, Dimethylsulphoxide–Sodium iodide solutions

ELECTROLYSIS

Related Headings–*cont.*

- ELECTRODES, Platinum, Oxygen, Dissolution
- ELECTRODES, Platinium, Platinised, Potassium hydroxide–Alcohols solutions
- ELECTRODES, Platinum, Rotating disc, Dimethyl sulphoxide–Sodium iodide solutions
- ELECTRODES, Platinum, Rotating disc, Perchlorate solutions
- ELECTRODES, Platinum, Sulphuric acid, Fuming
- ELECTRODES, Precious metals–Oxygen, Sulphuric acid solution
- ELECTRODES, Rotating disc
- ELECTRODES, Silver, Potassium hydroxide solutions
- ELECTRODES, Silver, Rotating disc, Alkaline solutions
- ELECTRODES, Silver halides, Potassium halides–Potassium nitrate solutions
- ELECTRODES, Sulphides, Semiconductors, Aqueous solutions
- ELECTRODEPOSITION
- ELECTROFORMING
- HULL CELLS
- HYDROCHLORIC ACID–MALEIC ACID, Electrolytes
- LITHIUM CHLORIDE–POTASSIUM CHLORIDE, Molten, Electrolytes
- POTENTIOSTATS
- SALTS, Molten, Electrolytes

ELECTROLYSIS, Aliphatic compound production. See ALIPHATIC COMPOUNDS, Production, Electrolysis

ELECTROLYSIS, Brine, Caustic soda production. See ELECTROFORMING

ELECTROLYSIS, Brine, Chlorine production. See CHLORINE, Production, Brine, Electrolysis

ELECTROLYSIS, Chlorination, Sea water, Sewage treatment. See SEWAGE, Treatment, Sea water, Chlorination, Electrolysis

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ELECTROLYSIS, Palladium–Silver, Cathodes, Reduction, Organic chemicals. See ORGANIC CHEMICALS, Reduction, Cathodes, Palladium–Silver, Electrolysis

ELECTROLYTES, Cadium chloride–Lithium chloride–Potassium chloride, Voltaic cells. See CELLS, Voltaic, Electrolytes, Cadmium chloride–Lithium chloride–Potassium chloride

ELECTROLYTES, Cadmium halides–Sodium halides, Voltaic cells. See CELLS, Voltaic, Electrolytes, Cadmium halides–Sodium halides

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ELECTROLYTES, Sodium nitrate solutions, Polarography, Reduction, Indium. See INDIUM, Reduction, Polarography, Electrolytes, Sodium nitrate solutions

ELECTROLYTES, Sodium perchlorate solutions, Polarogarphy, Reduction, Indium. See INDIUM, Reduction, Polarography, Electrolytes, Sodium perchlorate solutions

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ELECTROLYTIC GRINDING, Tungsten carbide. See TUNGSTEN CARBIDE, Grinding, Electrolytic

ELECTROLYTIC GRINDING, Tungsten carbide, Cutters, Machine tools. See MACHINE TOOLS, Cutters, Tungsten carbide, Grinding, Electrolytic

ELECTROLYTIC POLISHING. See POLISHING, Electrolytic

ELECTROLYTIC POLISHING, Germanium. See GERMANIUM, Polishing, Electrolytic

ELECTROLYTIC POLISHING, Silver, Electroplated copper, Wires. See WIRES, Copper, Electroplated, Silver, Polishing, Electrolytic

ELECTROLYTIC POLISHING, Steel foil manufactures. See FOIL, Steel, Manufactures, Polishing, Electrolytic

ELECTROLYTIC POLISHING, Transmission electron microscopy, Metal foil. See FOIL, Metal (Microscopy, Electron, Transmission) Polishing, Electrolytic

ELECTROLYTIC THINNING, Silver-110 diffusion specimens, Copper. See COPPER, Silver-110 diffusion, Specimens, Thinning, Electrolytic

ELECTROMAGNETIC BRAKES. See BRAKES, Electromagnetic

ELECTROMAGNETIC BRAKES, Control systems, Stainless steel conveyors, Furnaces, Heat treatment, Glass. See GLASS, Heat treatment, Furnaces, Conveyors, Steel, Stainless, Control systems, Brakes, Electromagnetic

ELECTROMAGNETIC CLUTCHES. See CLUTCHES, Electromagnetic

ELECTROMAGNETIC CLUTCHES, Control systems, Stainless steel conveyors, Furnaces, Heat treatment, Glass. See GLASS, Heat treatment, Furnaces, Conveyors, Steel, Stainless, Control systems, Clutches, Electromagnetic

ELECTROMAGNETIC CLUTCHES, Control systems, Tension, Sizing machines, Yarns. See YARNS, Sizing, Machines, Tension, Control systems, Clutches, Electromagnetic

ELECTROMAGNETIC FIELDS, Alternating, Excitation, Ion waves, Cylindrical plasmas. See PLASMAS, Cylindrical, Ion waves, Excitation, Electromagnetic fields, Alternating

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ELECTROMAGNETIC LEVITATION, Aluminium, Cylinders. See CYLINDERS, Aluminium, Levitation, Electromagnetic

ELECTROMAGNETIC MICROBALANCES. See MICROBALANCES, Electromagnetic

ELECTROMAGNETIC RELAYS. See RELAYS, Electromagnetic

ELECTROMAGNETIC RETARDERS, Brakes, Commercial vehicles. See VEHICLES, Commercial, Brakes, Retarders, Electromagnetic

ELECTROMAGNETIC TRANSDUCERS. See TRANSDUCERS, Electromagnetic

ELECTROMAGNETIC TRANSDUCERS, Instruments, Nuclear reactors. See NUCLEAR REACTORS, Instruments, Transducers, Electromagnetic

ELECTROMAGNETIC VALVES, Vacuum. See VACUUM, Valves, Electromagnetic

ELECTROMAGNETIC VIBRATORS. See VIBRATORS, Electromagnetic

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- WAVEFORMS

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ELECTROMETALLURGY
Related Headings:
ELECTROWINNING
ELECTROMETERS, Charge determination, Tracks, Electrodes, Arcs. See ARCS, Electrodes, Tracks, Charges, Determination, Electrometers
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CIRCUITS, Electronics
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ELECTRONS, Bombardment, Sources, Solid mass spectrometry. See MASS SPECTROMETRY, Solid, Sources, Electron bombardment

ELECTRONS, Cryogenics, Irradiation, Uranium. See URANIUM, Irradiation (Cryogenics) Electrons

ELECTRONS, d-Band, Stacking fault energy, Face centred cubic alloys. See ALLOYS, Face centred cubic, Stacking faults, Energy, Effect of d-band electrons

ELECTRONS, Density, Ionosphere. See IONOSPHERE, Electron density

ELECTRONS, Density, Mercury vapour gas discharge tubes. See ELECTRON TUBES, Gas discharge, Mercury vapour, Electron density

ELECTRONS, Diffusion, Arcs. See ARCS, Electron diffusion

ELECTRONS, Diffusion, Hydrogen. See HYDROGEN, Electron diffusion

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ELECTRONS, Irradiation, Diamond type crystals. See CRYSTALS, Diamond type, Irradiation, Electrons

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ELECTRONS, Irradiation, Metals. See METALS, Irradiation, Electrons

ELECTRONS, Irradiation, Silicon. See SILICON, Irradiation, Electrons

ELECTRONS, Irradiation, Single crystals. See CRYSTALS, Single, Irradiation, Electrons

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ELECTRONS, Tunnelling, Copper proximity effect studies, Superconducting lead, Films. See FILMS, Lead, Superconducting, Proximity effect, Copper, Studies, Electron tunnelling

ELECTRONS, Tunnelling, Gallium arsenide–Germanium, Diodes. See DIODES, Gallium arsenide–Germanium, Electron tunnelling

ELECTRO–OPTICS
Related Headings:
KERR CELLS

ELECTRO-OSMOSIS, Pore water pressure measurement, Soil. See SOIL, Pore water pressure, Measurement, Electro-osmosis

ELECTRO-OSMOTIC DAMP-PROOFING. See DAMP-PROOFING, Electro-osmotic

ELECTROPHORESIS
Related Headings:
IMMUNOELECTROPHORESIS

ELECTROPHORESIS, Aluminising, Steel, Sheets. See SHEETS, Steel, Aluminising, Electrophoresis

ELECTROPHORESIS, Coating, Lanthanum hexaboride, Cathodes, Bayard–Alpert ionisation gauges. See IONISATION GAUGES, Bayard–Alpert, Cathodes, Lanthanum hexaboride, Coating, Electrophoresis

ELECTROPHORESIS, Deposition, Ferrite cores, Storage units, Computers. See COMPUTERS, Storage units, Ferrite cores, Deposition, Electrophoresis

ELECTROPHORESIS, Gliadins. See GLIADINS, Electrophoresis

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ELECTROPHORESIS, Painting, Accessories, Motor cars. See MOTOR CARS, Accessories, Painting, Electrophoresis

ELECTROPHORESIS, Painting, Bodies, Vans. See VANS, Bodies, Painting, Electrophoresis

ELECTROPHORESIS, Painting, Discs, Agricultural machinery. See AGRICULTURAL MACHINERY, Discs, Painting, Electrophoresis

ELECTROPHORESIS, Painting, Handles, Hacksaws. See HACKSAWS, Handles, Painting, Electrophoresis

ELECTROPHORESIS, Painting, Steel. See STEEL, Painting, Electrophoresis

ELECTROPHORESIS, Painting, Tanks, Fuels, Engines, Motor cars. See MOTOR CARS, Engines, Fuels, Tanks, Painting, Electrophoresis

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ELECTROPLATED CASES, Watches. See WATCHES, Cases, Electroplated

ELECTROPLATED COPPER, Wires. See WIRES, Copper, Electroplated

ELECTROPLATED DIE CASTINGS, Zinc alloys. See ZINC, Alloys, Die castings, Electroplated

ELECTROPLATED ELECTRICAL CONTACTS. See CONTACTS, Electrical, Electroplated

ELECTROPLATED MILD STEEL. See STEEL, Mild Electroplated

ELECTROPLATED SLIDING CONTACTS. See CONTACTS, Electrical, Sliding, Electroplated

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BARREL PLATING
ELECTRODEPOSITION

ELECTROPLATING–SUBHEADINGS–Synopis

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Particular countries
- *U.S.A.*

Technical activities & problems
- *Design*
- *Cleaning*
- *Rinsing*
- *Drying*
- *Effluents*

Materials
- *Solutions*

Plant
- *Control systems*
- *Power supplies*
- *Rectifiers*

Systems
- *Tampon anode*

Deposit of particular materials
- *Composite materials*
- *Cadmium*
- *Chromium*
- *Copper*
- *Nickel*
- *Nickel-Chromium*
- *Nickel-Tin*
- *Metals, Refractory*
- *Precious metals*
  - *Gold*
- *Tin*
- *Zinc*
- *Arsenic*
- *Sodium carbonate*
- *Sodium sulphite*

ELECTROPLATING, Acrylonitrile–Butadiene–Styrene. See ACRYLONITRILE–BUTADIENE–STYRENE, Electroplating

ELECTROPLATING, Aluminium alloys. See ALUMINIUM, Alloys, Electroplating

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ELECTROPLATING, Cleaning, Ultrasonic

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ELECTROPLATING, Control systems

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ELECTROPLATING, Crystals, Quartz. See QUARTZ, Crystals, ELECTROPLATING, Cutters, Machine tools. See MACHINE TOOLS, Cutters, Electroplating

ELECTROPLATING, Design

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Related Headings:
ASTRONAUTICS
CONTROL SYSTEMS
DRAINAGE
MINING
RAILWAYS
ROADS
SHIPBUILDING
SYSTEMS, Engineering
TOLERANCES
TRANSPORT
WATER, Engineering

ENGINEERING, Aeronautical. See AIRCRAFT

ENGINEERING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Periodicals

History

Particular countries
  Ireland
  Canada
    British Columbia

Organisations

Profession

Education
  Apprenticeships
  Scholarships
  Teaching
  Retraining

Research
  Laboratories

ENGINEERING–SUBHEADINGS–Synopsis–cont.

Museums
Models
Information
Design
  Industrial design
Drawing
  Drawings

Quality control

Materials

Plant
  Components
  Computers

Thermodynamics

ENGINEERING, Aeronautical. See AIRCRAFT

ENGINEERING, Apprenticeships

Apprentice training (summary) Fenner. Engng. Designer (Feb 66) p.6-7
EIGA and the Industrial Training Act. Machinery, 108 (9 Feb 66) p.317-18
Growing rapport with the schools [Automotive Products Group] Engineering, 201 (18 Feb 66) p.327-8. il.

ENGINEERING, British Columbia

Century of engineering in British Columbia. D. W. Soughan. Electronics & Power, 12 (Nov 66) p.390-3. il.

ENGINEERING, Chemical. See CHEMICAL ENGINEERING
ENGINEERING, Civil. See CIVIL ENGINEERING
ENGINEERING, Civil. See CIVIL ENGINEERING
ENGINEERING, Coal mining. See COAL, Mining, Engineering

ENGINEERING, Components, Classification

Bought-out parts and the Brisch system. Machinery, 108 (13 Apr 66) p.822-5

ENGINEERING, Computers

Computers and the professional engineer. S. D. Scorer. Heating & Ventilating Engr., 39 (Dec 65) p.321-3
Computers for the engineer. A. E. Brock. Plant Engr., 10 (Oct 66) p.155-8. il.
Practical use of computers by engineers. G. Andrews-Speed. Plant Engr., 10 (Nov 66) p.176-7
Use of the IBM-1620 digital computer in engineering. J. J. Raftery. Instn. of Civil Engrs. Proc., 34 (Aug 66) p.N6-11. il.

ENGINEERING, Design

Design philosophy in engineering. K. Ball. Discovery, 27 (Apr 66) p.37-40. il.
Feilden and after—what has been done. C. F. Watkinson. Chartered Mechanical Engr., 13 (Sep 66) p.386+
Feilden three years on. Engineering, 202 (29 Jul 66) p.185
Terms of reference of the designer in the engineering industry. C. Armer. Engng. Designer (Apr 66) p.3-8
Who creates the design bottleneck? E. Ziebart. Metalworking Production, 110 (26 Oct 66) p.48

ENGINEERING, Design, Computers

Computers and design. Engng. Design (Mar 66) p.7-11. il.
Design and the computer. F. D. Penny. Scottish Electrical Engr., 37 (Jul 66) p.422+
Design and the computer. F. Penny. Engng. Designer (Jul 66) p.3-4
Needed—a national computer-aided design service. D. T. N. Williamson. Metalworking Production, 110 (16 Nov 66) p.81-4
Place of the digital computer in engineering design. G.R. Harvey & D. McCloy. Engng. Designer (Sep 66) p.8-13. il. refs.
'Why' and 'what' of computer-aided design. Metalworking Production, 110 (30 Nov 66) p.51-3. il.

ENGINEERING, Design, Ergonomics
Aesthetic and ergonomic aspects of design. A. T. Bilson. Engng. Designer (Jun 66) p.10-13. il.

ENGINEERING, Design, Profession
Comparative status of the engineering designer in the world today. Design & Components in Engng. (26 May 66) p.36-43. il.

ENGINEERING, Design, Teaching, Projects
Engineering design contest. S. Eshghy. Bull. of Mechanical Engng. Education, 5 (Jul/Sep 66) p.187-90. il. refs.

ENGINEERING, Design, Terminology
Let's not build barriers with words. W. H. Mayall. Design (Oct 66) p.27-31. il.

ENGINEERING, Drawing
"Those damn planes". R. Thomson. Bull. of Mechanical Engng. Education, 5 (Jan/Mar 66) p.55-60. il.

ENGINEERING, Drawing, Apprenticeships
Drawing office training of engineering apprentices. S. T. Hussey. Engng. Designer (May 66) p.14-15

ENGINEERING, Drawing, Drafting machines
Automation in the drawing office [Co-ordinatograph & Cramic drafting machine] Machinery Lloyd (Overseas edition) 38 (1 Jan 66) p.32-3. il.
Computerised drawing board for N.C. machine tool work [Kynmore Engineering Co. Ltd.: Co-ordinatograph] Machine Shop, 27 (Mar 66) p.95-6. il.

ENGINEERING, Drawing, Education
Drawing. Q. R. Thomson. Technical Education, 8 (Mar 66) p.115-17. il.
New technical college—new course [Uxbridge Technical College] J.B. Young. Engng. Designer (Sep 66) p.14-15. il.

ENGINEERING, Drawing, Reading exercises
Engineering drawing reading exercises. R. Thomson. Technical Education, 8 (Jan 66) p.24-5. il.

ENGINEERING, Drawing, Teaching
Engineering drawing: from the general to the particular. R. Thomson. Technical Education, 8 (Feb 66) p.82-3. il.

ENGINEERING, Drawings, Item lists, Processing, Computers
Computer-aided drawing and design. C. Allen. Production Engr., 45 (Aug 66) p.442-56. il.
Computers streamline design effort. C. Allen. Metalworking Production, 110 (13 Jul 66) p.68+. il.

ENGINEERING, Drawings, Microfilm
Miniaturisation in the drawing office. P. Ranger. Reproduction, 3 (Jul 66) p.18-21

ENGINEERING, Drawings, Photogrammetry, Comparators
Simple comparator for measuring from photographs. R. Farrand. Engineer, 222 (12 Aug 66) p.227-9. il.

ENGINEERING, Drawings, Processing, Computers, Light pens
Computer system reads diagrams drawn on screen [NBS] Instrument & Control Engng. (Aug 66) p.18-19. il.
Use of computers with graphical input/output. D. B. Welbourn. Chartered Mechanical Engr., 13 (Nov 66) p.487+. il.

ENGINEERING, Education
Education and training requirements for the electrical and mechanical manufacturing industries [Review of Report by the Committee on Manpower Resources for Science & Technology] Engng. Designer (Oct 66) p.9
Education for the engineer of the 21st century. C. A. Satterwaite. Engng. Designer (Apr 66) p.11-16. ref.
Engineering education. Automobile Engr., 56 (Mar 66) p.81
Engineers for a technological society. C. L. Old. Instn. of Mechanical Engrs. Proc., 179 pt.1 (1964-65) p.1071-6
From university to industry. Engineering, 202 (22 Jul 66) p.141
Getting to grips with the engineering levy and grant (summary) H. A. Lomas. Metalworking Production, 110 (20 Apr 66) p.68-9. il.
Importance of haste at the CEI. Engineering, 201 (28 Jan 66) p.172

ENGINEERING, Education—*cont.*
Industrial training on Merseyside. Times Rev. of Industry & Technology, 4 (Dec 66) p.76-8. il.
"Size" of education. P.J. Wallace, Engineer, 222 (14 Oct 66) p.562-3
Training in engineering: progress report on the Engineering Industry Training Board. Sir Arnold Lindley. Machine Shop, 27 (Mar 66) p.93-5
Training proposals bring sharp departure from tradition. Electronics Weekly (31 Aug 66) p.10
Work of the Engineering Industry Training Board. F. Metcalfe. Inst. of Marine Engrs. Trans., 78 (Aug 66) p.349-58
Workable scheme for first year training of craftsmen. R. J. Birkinshaw. Electrical Rev., 179 (12 Aug 66) p.240-1
World Congress on engineering education, 1965. J. H. Lamble. Bull. of Mechanical Engng. Education, 4 (Oct/Dec 65) p.245-57

ENGINEERING, Education, Degrees, Courses
Degree level courses in engineering and the Council for National Academic Awards. E. M. Price. International J. of Electrical Engng. Education, 4 (Jan 66) p.67-74

ENGINEERING, Education, Environmental medicine studies
Interdisciplinary studies in electrical engineering and environmental medicine. W. K. Roots & L. M. Roots. International J. of Electrical Engng. Education, 4 (Jan 66) p.95-100. il. refs.

ENGINEERING, Education, Examinations
Chartered engineer. Tech Air, 22 (Sep 66) p.36
Common exam for chartered engineers. Engineering, 202 (16 Sep 66) p.483

ENGINEERING, Education, Experiments
Experimentation in applied science courses, pt.1. S. D. Probert & J. P. Marsden. Technical Education, 8 (Jan 66) p.10-11. refs.
Experimentation in applied science courses, pt.2. S. D. Probert & J. P. Marsden. Technical Education, 8 (Feb 66) p.72-5. il. refs.

ENGINEERING, Education, Great Britain
More discussion needed of CEI qualifying proposals. Electrical Rev., 177 (17 Dec 65) p.913-14

ENGINEERING, Education, Laboratories
Survey of academic loads associated with the engineering laboratory. J. L. Wighton. Bull. of Mechanical Engng. 4 (Oct/Dec 65) p.323-29

ENGINEERING, Education, Laboratories, Technicians
Survey of the function of chief technician in engineering college laboratories. J. L. Wighton. Bull. of Mechanical Engng. Education, 4 (Oct/Dec 65) p.331-7

ENGINEERING, Education, Netherlands
Going Dutch in training [Bemetel] Engineering, 200 (24 Dec 65) p.809

ENGINEERING, Education, Postgraduate
Industry and postgraduate courses. L.J. Kastner. Chartered Mechanical Engr., 13 (Jan 66) p.19-20
Postgraduate courses in engineering. S. Eilon. Times Rev. of Industry & Technology, 4 (Sep 66) p.76-7

ENGINEERING, Education, Postgraduate, Programmed teaching, Radio
Programmed teaching and broadcasting for postgraduate courses. D. Broadbent. Chartered Mechanical Engr., 13 (Jul 66) p.330-3. il. refs.

ENGINEERING, Education, Secondary schools
Place of engineering in the sixth-form curriculum. E. Semper. Technical Education, 8 (Jun 66) p.258+. il.

ENGINEERING, Education, Universities

Creating applied sciences at Reading [Dept of Applied Physical Sciences, Reading] Engineering, 201 (10 Jun 66) p.1068-9. il.

Loughborough plans new approach to engineering studies. J. McKay. Metalworking Production, 110 (15 Jun 66) p.71-2. il.

Sowing the applied science seed [Dept. of Applied Physical Science, Reading University] Engineering, 201 (14 Jan 66) p.64

University course of real engineers. Engineering, 201 (29 Apr 66) p.800-1

ENGINEERING, Education, Universities, Workshops

Running a university workshop. J. L. Wighton. Chartered Mechanical Engr., 13 (Mar 66) p.122-4. il. ref.

ENGINEERING, Education, West Germany

Education of professional engineers in West Germany. G. Brenken. Instn. of Mechanical Engrs. Proc., 179 pt.1 (1964-65) p.1081-7. il. refs.

Education of professional engineers in West Germany. G. Brenken. Mass Production, 42 (Jul 66) p.49-56

ENGINEERING, Electrical. See ELECTRICAL ENGINEERING

ENGINEERING, Environmental. See ENVIRONMENTAL ENGINEERING

ENGINEERING, History

Engineers and society in the 1860. A. Briggs. Engineering, 200 (31 Dec 65) p.826-8

ENGINEERING, Hydraulic. See HYDRAULIC ENGINEERING

ENGINEERING, Industrial design

Thoughts on 'industrial design', pt.1. P. J. Wallace. Engineer, 221 (18 Mar 66) p.415

ENGINEERING, Information, Retrieval

Engineering information retrieval. G.S. Dunhill. Instn. of Mechanical Engrs. Proc., 179 pt.3L (1964-65) p.6-8

ENGINEERING, Information services

Applying knowledge to practical purposes. R. T. Carr. Chartered Mechanical Engr., 13 (Jun 66) p.274+. il.

ENGINEERING, Ireland

Engineering in Ireland. Light Production Engng., 4 (May 66) p.34-7. il.

ENGINEERING, Laboratories, Frames, Steel, Welded, Design, Plastic

Inglis A: fully rigid mult-storey welded steel frame. J. Heyman, J. C. H. Finlinson & R. P. Johnson. Structural Engr., 44 (Dec 66) p.435-41. il. refs.

ENGINEERING, Marine. See MARINE ENGINEERING

ENGINEERING, Materials

Designer and his choice of materials (summary) T. S. Eyre. Engrs'. Digest, 27 (Jan 66) p.81-2

Materials and the engineer. Sir Robert Cockburn. Instn. of Mechanical Engrs. Proc., 179 pt.1 (1964-65) p.985-94. il. refs.

Materials for engineers: introducing the series. N. L. Parr. Engineer, 221 (3 Jun 66) p.851-2. il.

Materials selection. W. F. Harris. Engng. Materials & Design, 9 (Jul 66) p.1152-5. refs.

Metals and engineering research [Manganese Bronze Group Research Laboratories, Ipswich] Engineer, 221 (3 Jun 66) p.849-50. il.

ENGINEERING, Materials

Related Headings:

ACRYLONITRILE–STYRENE, Engineering materials
ALUMINIUM, Engineering materials
BALSAWOOD, Engineering materials
CERAMICS, Engineering materials
COAL, Pulverised, Ash, Engineering materials
EPOXY RESINS, Engineering materials
GLASS, Engineering materials
NYLON, Engineering materials
NYLON 12, Engineering materials
P.T.F.E., Sintered, Engineering materials
PLASTICS, Engineering

ENGINEERING, Materials

Related Headings–*cont.*

PLASTICS, Reinforced, Engineering materials
PLASTICS, Reinforced–Glass fibre, Engineering
PLASTICS, Thermosetting, Engineering materials
PLATINUM METALS, Engineering materials
POLYMERS, Engineering
POLYPHENYLENE OXIDE, Engineering materials
POLYSULPHONES, Engineering materials
RHENIUM, Engineering materials
RUBBER, Engineering
SILICON NITRIDE, Engineering materials
STRENGTH OF MATERIALS

ENGINEERING, Materials, Composite

Composite materials. A. Kelly. Discovery, 27 (Mar 66) p.45-8. il.

Composite materials are beating strength/weight ratio problems [Rolls-Royce] D. Fishlock. Metalworking Production, 110 (17 Aug 66) p.59-62. il.

ENGINEERING, Materials, Composite, Friction, Internal

Damping properties of engineering and visco-elastic materials. R. Blanchflower. Environmental Engng. (Mar 66) p.19-25. il. refs.

ENGINEERING, Materials, Information, Retrieval, Indexes, Coordinate

Materials selection: time saving indexing system. Design & Components in Engng. (10 Mar 66) p.33-5. il.

ENGINEERING, Materials, Research

Nelson Research Laboratories. Engineer, 222 (9 Sep 66) p.374-6. il.

ENGINEERING, Materials, Standardisation

Work of the ASTM (extracts) R. F. Leggett. Engineer, 221 (22 Apr 66) p.618-19

ENGINEERING, Materials, Teaching, Experiments

Introductory experiments in materials science for engineers. J. W. Coakham, W. M. K. Eastwood & W. Evans. Bull. of Mechanical Engng. Education, 5 (Apr/Jun 66) p.145-55. il.

ENGINEERING, Materials, Testing

Work of the ASTM (extracts) R. F. Leggett. Engineer, 221 (22 Apr 66) p.618-19

ENGINEERING, Mechanical. See MECHANICAL ENGINEERING

ENGINEERING, Military. See MILITARY ENGINEERING

ENGINEERING, Military. See MILITARY TECHNOLOGY

ENGINEERING, Mining. See MINING, Engineering

ENGINEERING, Models

Commercial and industrial models. A. F. Stedman. Plant Engr., 10 (Apr 66) p.9-14. il.

ENGINEERING, Museums

Birmingham's new museum. Engineering, 202 (11 Nov 66) p.842-3. il.

ENGINEERING, Naval. See NAVAL ENGINEERING

ENGINEERING, Organisations

Origin and development of the Council [C.E.I.] Mining Engr., 125 (Jun 66) p.534-5

ENGINEERING, Periodicals

Hundred years of "Engineering" [with facsimilie of "Engineering" Vol.1, no.1, 1866] J. F. Petree. Engineering, 200 (31 Dec 65) p.828-39. il.

ENGINEERING, Petroleum. See PETROLEUM, Engineering

ENGINEERING, Plant, Maintenance, Incentives, Work study

Incentive application in engineering maintenance work. T. J. O'Sullivan. Work Study, 15 (Nov 66) p.23+. il.

ENGINEERING, Pneumatic. See PNEUMATIC ENGINEERING

ENGINEERING, Profession

Engineer's place in society. Lord Snow. Engineer, 221 (1 Apr 66) p.506-7

Higher National Certificate and local industry. N.L. Day. Engineer, 222 (26 Aug 66) p.315-17

Lord Snow on engineers and society. Engineering, 201 (1 Apr 66) p.623

ENGINEERING, Profession—*cont.*

Place of the engineer. Lord Snow. Chartered Mechanical Engr., 13 (May 66) p.215-18

Place of the engineer in society. Lord Snow. Nature, 210 (16 Apr 66) p.237-8

Place of the engineer in society. Lord Snow. Electronics & Power, 12 (May 66) p.152-4

Routes to professional status in engineering. B. F. Gray. Technical Education, 8 (May 66) p.212-13

Snowman speaketh: Graham Clark lecture on engineer's place in our modern society (summary) Lord Snow. Colliery Guardian, 212 (1 Apr 66) p.401-3

Whither the CEI? Technical Education, 8 (May 66) p.195

Why do we ignore the professional engineer? B. Crossland. Impulse no.28 (1966) p.26-8. il.

ENGINEERING, Quality control

"Raise your standard". A. F. Radford. Quality Engr., 30 (Jan/Feb 66) p.6-9

ENGINEERING, Research

English Electric Company, Limited [Nelson Research Laboratories] Steel Times, 193 (1 Jul 66) p.34-6. il.

N.E.L. reports. Scottish Electrical Engr., 37 (Nov 66) p.650+

National Physical Laboratory open days. Engineer, 221 (3 Jun 66) p.847-9. il.

Work of the National Engineering Laboratory. H.W. Dickie. Scottish Electrical Engr., 37 (Sep 66) p.526+. il.

ENGINEERING, Research, Universities

Research at the University of Strathclyde. S. C. Curran. Scottish Electrical Engr., 37 (Feb 66) p.96+

ENGINEERING, Re-training

Retraining will be a lifelong business. Electronics Weekly (28 Sep 66) p.7

ENGINEERING, Sanitary. See SANITARY ENGINEERING

ENGINEERING, Scholarships

Growing rapport with the schools [Automotive Products Group] Engineering, 201 (18 Feb 66) p.327-8. il.

ENGINEERING, Structural. See STRUCTURAL ENGINEERING

ENGINEERING, Teaching, Programmed

Progress report—A. S. E. E. programmed learning project. N. Balabanian. International J. of Electrical Engng. Education, 4 (Jul 66) p.445-7

ENGINEERING, Thermodynamics, Education, Universities

Engineering thermodynamics work at undergraduate level. R. A. Jackson & E. Parker. Technical Education, 8 (Aug 66) p.348-50. il. refs.

ENGINEERING INDUSTRIES GROUP APPRENTICESHIP PARTNERSHIP

EIGA and the Industrial Training Act. Machinery, 108 (9 Feb 66) p.317-18

ENGINEERING INDUSTRY TRAINING BOARD

Training in engineering: progress report on the Engineering Industry Training Board. Sir Arnold Lindley. Machine Shop, 27 (Mar 66) p.93-5

Training proposals bring sharp departure from tradition. Electronics Weekly (31 Aug 66) p.10

Work of the Engineering Industry Training Board. F. Metcalfe. Inst. of Marine Engrs. Trans., 78 (Aug 66) p.349-58

ENGINEERING SERVICES, Buildings

Engineer in the building and construction industry. G. H. Buckle. Engineer, 221 (4 Mar 66) p.354-6. il.

Engineering services: presidential address. G. A. Rooley. Instn. of Heating & Ventilating Engrs. J., 33 (Dec 65) p.288-95. il.

G. N. Haden celebrate 150 years. Steam & Heating Engr., 35 (Jul 66) p.36-7. il.

ENGINEERING SERVICES, Buildings, Check lists

Electrical and lighting fitting schedules. R. Byng. Architects' J., 144 (17 Aug 66) p.407-8

ENGINEERING SERVICES (Buildings) Planning

Co-ordination of mechanical, electrical and plumbing services. S. Smith. Industrialised Building, 3 (Apr 66) p.13

ENGINEERING SERVICES (Buildings) Prefabricated, Drawings

Single line drawing system for services. A. G. Child. Heating & Ventilating Engr., 39 (Jun 66) p.697-8. il.

ENGINEERING SERVICES, Factories, Cigarette manufactures. See CIGARETTES, Manufactures, Factories, Engineering services

ENGINEERING SERVICES (Halls) Electrical equipment

Modernising a city hall: electrical services at the Chartered Insurance Institute. G. Davidson. Electrical Times, 149 (14 Apr 66) p.543-4. il.

ENGINEERING SERVICES, Hospitals

Hospital engineering criticised. A. H. Burfoot. Electrical Rev., 178 (14 Jan 66) p.46

New facilities at Southampton General Hospital. Steam & Heating Engr., 35 (Apr 66) p.34-8. il.

ENGINEERING SERVICES (Hospitals) Maintenance

Mechanical and electrical running costs of hospitals. J. A. Sutherland. Steam & Heating Engineer, 35 (May 66) p.42-9. il.

ENGINEERING SERVICES (Housing) Prefabricated, Panels, Polyurethane, Expanded

Prefabricated plumbing and service wall: continental unit gives freedom of design [Celmac GD Plumbing Unit] Industrialised Building, 3 (Apr 66) p.14-15. il.

ENGINEERING SERVICES (Office buildings) Ergonomics

Engineering aspects of staff comfort. R. W. Hopwood. P.O. Electrical Engrs., 59 (Apr 66) p.26-32. il. refs.

ENGINEERING SERVICES, Radio buildings

La Maison de la Radio [Radiodiffusion-Television Francaise] Instn. of Heating & Ventilating Engrs. J., 33 (Dec 65) p.277-80. il.

ENGINEERING SERVICES, Steel production. See STEEL, Production, Engineering services

ENGINEERING SERVICES, Suspended ceilings. See CEILINGS, Suspended, Engineering services

ENGINEERING SERVICES, Swimming baths

Centralised temperature control [Rotherhite bath and assembly hall, Southwark] Engineer, 221 (11 Feb 66) p.242-3.

Engineering services for swimming pools. J. C. Cotton. Instn. of Municipal Engrs. J., 93 (Apr 66) p.150-1. il.

ENGINEERING SERVICES, Tall buildings. See BUILDINGS, Tall, Engineering services

ENGINEERING SERVICES, Underground car parks. See CAR PARKS, Underground, Engineering services

ENGINEERS

Eli Whitney—pioneer of mass production. K. Mahadeva. Chartered Mechanical Engr., 13 (Nov 66) p.495-9. il. refs.

ENGINEERS, Roads. See ROADS, Engineers

ENGINES

Related Headings:
COMBUSTION CHAMBERS

ENGINES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Revolutions*

- Types
  - *Atmospheric*
  - *Internal combustion*
    - *Rotary*
  - By fuel
    - *Multi-fuel*

ENGINES–SUBHEADINGS–Synopsis–cont.
- Applications
    - *Rockets*
    - Vehicles
        - *Aircraft*
            - *Helicopters*
        - *Hovercraft*
        - *Ships*
            - *Warships*
        - *Motor boats*
        - *Motor vehicles*
            - *Motor cars*
            - *Buses*
            - *Motor cycles*
            - *Tractors*

ENGINES, Aircraft
Aero engines. Flight, 89 (6 Jan 66) p.23-35. il.
1909 E.N.V. aero engine in running order. Tech Air, 22 (Oct 66) p. 11+. il.
Some aero engine and other reminiscences 1905-1918. R. H. Verney. J. of R. Aeronautical Soc., 70 (May 66) p.593-4

ENGINES (Aircraft) Aerodynamics
Recent German contributions to research in thermogasdynamics of aerospace propulsion systems. A. W. Quick. J. of R. Aeronautical Soc., 70 (Jul 66) p.705-21. il. refs.

ENGINES (Aircraft) Bolts, Torque control
Torque measurement. H. F. Elson. Tech Air, 22 (Jul 66) p.17-18

ENGINES (Aircraft) Components, Welding, Arc, Gas shielded
Longitudinal tig welding machine. Welding & Metal Fabrication, 34 (Mar 66) p.106-8. il.

ENGINES (Aircraft) History
Aircraft engine developments during the past half century. F. Nixon. J. of R. Aeronautical Soc., 70 (Jan 66) p.150-67. il.
Reminiscences of 50 years in the field of aircraft propulsion. Sir Roy Fedden. J. of R. Aeronautical Soc., 70 (Jan 66) p.169-75. il.

ENGINES, (Aircraft) Reliability
Lessons from engine experience. A. G. Bowling. J. of R. Aeronautical Soc., 70 (Mar 66) p.419-21. il.

ENGINES (Aircraft) Servicing
Aeroplane quick reference data: engines. Aeroplane, 111 (26 May 66) p.35-6
Engine overhaul at BOAC. E. R. Chaytor. World Aerospace systems, 1 (Dec 65) p.540+. il.

ENGINES (Aircraft) Technical data
Aeroplane quick reference data: engines. Aeroplane, 111 (2 Jun 66) p.15-16

ENGINES (Aircraft) Test cells, Aerodynamics
On the aerodynamics of "Hangar" type engine test facilities. R. A. Wallis & N. Ruglen. J. of R. Aeronautical Soc., 70 (Feb 66) p.312-20. il. refs.

ENGINES, Atmospheric
Dinosaurus of the steam age. L. T. C. Rolt. Autocar, 125 (5 Aug 66) p.290-3. il.
Earliest engines preserved. Light Steam Power, 15 (Jul/Aug 66) p.175-84. il.

ENGINES, Boosters, Astronautics vehicles. See ASTRONAUTICS, Vehicles, Boosters, Engines

ENGINES, Buses
Making them go...and stop: Earls Court '66 engine and transmission review. Bus & Coach, 38 (Oct 66) p.406-10. il.

ENGINES, Commercial vehicles. See VEHICLES, Commercial, Engines

ENGINES, Diesel. See DIESEL ENGINES

ENGINES, Direct combustion
Related Headings:
RAMJETS

ENGINES, Dual fuel, Alternators, Sewage treatment. See SEWAGE, Treatment, Alternators, Engines, Dual fuel

ENGINES, Fishing vessels. See FISHING, Vessels, Engines

ENGINES, Gas. See GAS ENGINES

ENGINES (Helicopters) Manufactures, Great Britain
British helicopter engine & accessory manufacturers. Helicopter & Hovercraft World, 9 (Sep 66) p.278-81

ENGINES, Hovercraft
Propulsion... Hovering Craft & Hydrofoil, 5 (Jun/Jul 66) p.14-17. il.

ENGINES, Hybrid rockets. See ROCKETS, Hybrid, Engines

ENGINES, Hydrogen–Liquid oxygen fuelled rockets. See ROCKETS, Hydrogen–Liquid oxygen fuelled, Engines.

ENGINES (Internal combustion)
Related Headings:
GAS TURBINES
TURBOCHARGERS

ENGINES (Internal combustion) Camshafts, Milling, Machines
New camshaft milling machine [Vero Precision Engineering Ltd, South Mill Road, Regent's Park, Southampton, has been installed recently at Weyburn Engineering Co. Ltd.] Machinery Lloyd (European ed.) 38 (Jun 66) p.37. il.
New camshaft milling machine [Vero Precision Engineering Ltd., South Mill Road, Regent's Park Southampton, has been installed recently at Weyburn Engineering Co. Ltd.,] Machinery Lloyd (Overseas ed.) 38 (21 May 66) p.45. il.
Vero camshaft milling machine. Machinery, 108 (30 Mar 66) p.687-90. il.

ENGINES (Internal combustion) Components, Extrusion, Cold
Mass production of high-specification I.C. engine components by cold forming. B. G. Fincher. Sheet Metal Industries, 43 (May 66) p.352+. il.

ENGINES (Internal combustion) Connecting rods, Metals, Welded, Corrosion
Connecting rod failure due to poor welding. Design & Components in Engng. (10 Mar 66) p.25-7. il.

ENGINES (Internal combustion) Crankshafts, Bearings, Jacking, Hydraulic
Hydraulic jacking for journal bearings. A. S. T. Thomson, A. W. Scott & H. L. McBroom. Engineer, 221 (25 Mar 66) p.462-5. il.

ENGINES (Internal combustion) Cylinders, Flow, Velocity, Measurements, Instruments
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- ELECTROPHYSIOLOGY
- ENGINEERING, Design, Ergonomics
- HEAT, Ergonomics
- KINAESTHETICS, Ergonomics
- LIFTING, Ergonomics
- LIGHTING, Ergonomics
- LOCOMOTIVES, Driving, Signals, Danger, Passing
- MACHINE TOOLS, Selection, Ergonomics
- MANUAL HANDLING, Ergonomics
- MICROMETERS, Ergonomics
- MOTOR VEHICLES, Driving, Night, Effect of headlight glare, Correlation with age
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- MOTOR VEHICLES, Driving, Speed assessment
- MOTOR VEHICLES, Registration plates, Visibility
- MOTOR VEHICLES, Speed estimation, Subjective
- MOTOR VEHICLES, Steering, Ergonomics
- ROADS, Signs, Perception
- SAND, Shovelling, Oxygen consumption
- SENSORY-MOTOR PERFORMANCE
- STEEL, Production, Oxygen process, LD, Waste heat recovery, Boilers, Control rooms, Ergonomics

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- TELEVISION, Picture quality, Vision, Ergonomics
- TRACKING, Pursuit
- WEIGHT HANDLING, Manual
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- WHEELCHAIRS, Design, Ergonomics

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- CUNILA LYTHRIFOLIA (BENTH) Essential oils
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EXTRA-MURAL ACTIVITIES, Technical colleges. See TECHNICAL COLLEGES, Extra-mural activities

EXTRACTION, Solvent. See SOLVENT EXTRACTION

EXTRACTION, Solvent, Acetone. See ACETONE, Solvent, Extraction

EXTRACTION, Solvent, Coal, Coking. See COKING, Coal, Solvent extraction

EXTRACTION, Solvent, Formates. See FORMATES, Solvent extraction

EXTRACTION, Solvent, Fructose, Invert sugar. See SUGAR, Invert, Fructose, Solvent extraction

EXTRACTION, Solvent, Glucose, Invert sugar. See SUGAR, Invert, Glucose, Solvent extraction

EXTRACTION, Solvent, Humulones, Buffered beer. See BEER, Buffered, Humulones, Solvent

EXTRACTION, Solvent, Humulones, Buffered worts, Brewing. See BREWING, Worts, Buffered, Humulones, Solvent extraction
EXTRACTION, Solvent, Isohumulones, Buffered beer. See BEER, Buffered, Isohumulones, Solvent extraction
EXTRACTION, Solvent, Isohumulones, Buffered worts, Brewing. See BREWING, Worts, Buffered, Isohumulones, Solvent extraction
EXTRACTION, Solvent, Lipids, Dough, Flour. See FLOUR, Dough, Lipids, Solvent extraction
EXTRACTION, Solvent, Metals. See METALS, Solvent extraction
EXTRACTION, Solvent, Metanephrines. See METANEPHRINES, Solvent extraction

EXTRACTION, Solvent, Phosphomolybdic acid, Spectrophotometry, Phosphorous determination. See PHOSPHOROUS, Determination, Spectrophotometry, Phos-
EXTRACTION, Solvent, Polyisobutene. See POLYISOBUTENE, Solvent extraction
phomolybdic acid, Solvent extraction
EXTRACTION, Solvent, Propionic acid. See PROPIONIC ACID, Solvent extraction
EXTRACTION, Solvent, Residues, Pesticides, Grain. See GRAIN, Pesticides, Residues, Solvent extraction
EXTRACTION, Solvent, Trivalent cobalt. See COBALT, Trivalent, Solvent extraction
EXTRACTION, Solvent, Uranium, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Uranium, Solvent extraction
EXTRACTION, Solvent, Uranium–Zircaloy, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Uranium–Zircaloy, Solvent extraction

EXTREMAL CONTROL SYSTEMS. See CONTROL SYSTEMS, Hill climbing
EXTRUDED ALUMINIUM. See ALUMINIUM, Extruded
EXTRUDED ALUMINIUM CONTAINERS, Packaging, Drugs. See DRUGS, Packaging, Containers, Aluminium, Extruded
EXTRUDERS, P.V.C. See P.V.C., Extruders
EXTRUDERS, P.V.C. film. See FILM, P.V.C., Extruders
EXTRUDERS, Plastics. See PLASTICS, Extruders
EXTRUDERS, Thermoplastics. See THERMOPLASTICS, Extruders
EXTRUSION, Acrylonitrile–Butadiene–Styrene. See ACRYLONITRILE–BUTADIENE–STYRENE, Extrusion
EXTRUSION, Aluminium. See ALUMINIUM, Extrusion
EXTRUSION, Brass. See BRASS, Extrusion
EXTRUSION, Clay, Bricks. See BRICKS, Clay, Extrusion
EXTRUSION, Coatings. See COATINGS, Extrusion
EXTRUSION, Coatings, Packaging materials. See PACKAGING, Materials, Coatings, Extrusion
EXTRUSION, Cold, Brass, Cases, Cartridges. See CARTRIDGES, Cases, Brass, Extrusion, Cold
EXTRUSION, Cold, Copper. See COPPER, Extrusion, Cold

EXTRUSION, Cold, Final drives, Motor cars. See MOTOR CARS, Final drives, Extrusion, Cold
EXTRUSION, Cold, Internal combustion engine components. See ENGINES (Internal combustion) Components, Extrusion, Cold
EXTRUSION, Cold, Metals. See METALS, Extrusion, Cold
EXTRUSION, Cold, Motor car parts. See MOTOR CARS, Parts, Extrusion, Cold
EXTRUSION, Cold, Rotor components. See ROTORS, Components, Extrusion, Cold
EXTRUSION, Cold, Starter components, Motor cars. See MOTOR CARS, Starters, Components, Extrusion, Cold
EXTRUSION, Cold, Steel. See STEEL, Extrusion, Cold
EXTRUSION, Copper. See COPPER, Extrusion
EXTRUSION, Curved metal sheets. See SHEETS, Metals, Curved, Extrusion

EXTRUSION, Dies, Concave, Slip-line fields
Plane-strain extrusion through concave dies. L. Kronsjo & P. B. Mellor. International J. of Mechanical Sciences, 8 (Aug 66) p.515-24. il. refs.
EXTRUSION, Dry, P.V.C. See P.V.C., Extrusion, Dry
EXTRUSION, Hot, Aluminium. See ALUMINIUM, Extrusion, Hot
EXTRUSION, Hydrostatic, Aluminium. See ALUMINIUM, Extrusion, Hydrostatic

EXTRUSION, Mild steel. See STEEL, Mild, Extrusion
EXTRUSION, Mills, Brass, Rods. See RODS, Brass, Extrusion, Mills
EXTRUSION, Nimonic alloys, See NIMONIC ALLOYS, Extrusion
EXTRUSION, P.V.C. pipes. See PIPES, P.V.C., Extrusion
EXTRUSION, Plastics, Film. See FILM, Plastics, Extrusion
EXTRUSION, Polystyrene. See POLYSTYRENE, Extrusion
EXTRUSION, Polystyrene, Sheets. See SHEETS, Polystyrene, Extrusion
EXTRUSION, Polythene, Film, Tubes. See TUBES, Film, Polythene, Extrusion
EXTRUSION, Powder metallurgy, Aluminium–Zinc. See ALUMINIUM–ZINC, Powder metallurgy, Extrusion
EXTRUSION, Powder metallurgy, Stannous oxide–Tin, Rods. See RODS, Tin–Stannous oxide, Powder metallurgy, Extrusion
EXTRUSION, Refractory metals, See METALS, Refractory, Extrusion
EXTRUSION, Rubber. See RUBBER, Extrusion
EXTRUSION, Thermoplastics. See THERMOPLASTICS, Extrusion
EXTRUSION–EXPANSION, Thermoplastics. See THERMOPLASTICS, Extrusion–Expansion
EXTRUSION MOULDING, Metals. See METALS, Extrusion
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Eyelashes for the world. Times Rev. of Industry & Technology, 4 (Oct 66) p.44+. il.
EYES
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VISION
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FABRICS
Fabric production in the mid 1970's. I. H. Thomas. Textile Weekly, 66 (8 Apr 66) p.562-4
FABRICS
Related Headings:
- BROADCLOTH
- EMBROIDERY
- RIBBONS
- WEAVING

FABRICS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Problems
- *Abrasion*
- *Shrinkage*

Properties
- *Geometry*

FABRICS–SUBHEADINGS–Synopsis–cont.

- **Properties–cont.**
  - *Crease resistance*
  - *Flame resistance*

- Technical activities
  - *Design*
  - ***Manufactures***
    - *Wet processing*
    - *Drying*
    - *Finishing*
      - *Finishes*
    - *Bleaching*
    - *Dyeing*
    - *Printing*
      - *Flocking*
    - *Raising*
    - *Felting*
    - *Sew-knitting*
    - *Setting*
      - *Crease setting*
    - *Laminating*
    - *Inspection*
    - *Making-up*

- Parts
  - *Selvedges*

- Types of fabrics
  - *Elastic*
  - *Water repellent*
  - *Non-woven*
  - *Knitted*
    - *Warp knit*
  - *Backed*
    - *Foamback*
  - *Coated*
  - *Laminated*
  - *Pile*
  - *Open-work*
  - *Drill*
  - *Duck*
  - Types by material
    - *Cellulosic*
    - *Cotton*
    - *Woollen*
      - *Worsted*
    - *Man-made fibres*
      - *Man-made fibres–Wool*
        - *Rayon*
        - *Rayon–Cotton*
      - Cellulosic
        - *Cellulose actate*
        - *Polynosic*
      - Polyamides
        - *Nylon*
      - *Polyester fibre*
        - *Polyester fibres–Cotton*
        - *Terylene*
        - *Dacron*
      - *Acrylic fibres*
        - *Orlon*
      - *Polyurethane*

FABRICS, Abrasion, Tests
Some observations on the evaluation of the abrasion resistance of textile fabrics. J. Tyer. Textile Inst. & Industry, 4 (Nov 66) p.330-1. refs.

FABRICS, Acrilan, Upholstery. See UPHOLSTERY, Fabrics, Acrilan

FABRICS, Acrylic fibres
Acrylics -- where do we go from here?. J. Duffy. Hosiery Trade J., 73 (Jul 66) p.78-80

FABRICS, Acrylic fibres, Knitted, Dimensional stability
Dimensional stability of acrylic fabrics knit from Turbo yarns. R.B. Hurley. Hosiery Times, 39 (Sep 66) p.35+. il. refs.

FABRICS, Backed, Manufactures
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FABRICS, Bleaching, Machines
Practical experience with the Menzel pre-treatment and bleaching machine [Nico ter Kuile & Zoon] S. van der Veen. Textile Recorder, 84 (Aug 66) p.42-4. il.
Some recent advances in piece bleaching machinery. J. McCartney, Jnr. Dyer, Textile Printer, Bleacher & Finisher, 136 (18 Nov 66) p.731-4. il.

FABRICS, Cellulose acetate, Textured yarn, Finishing
Times, 39 (Apr 66) p.93-4. il.
Lancola textures acetate fabrics [Lansil Ltd.] Hosiery Textile Weekly, 66 (15 Apr. 66) p.609-10. il.
Knitting recommendations for Lancola textured acetate.

FABRICS, Cellulose acetate, Textured yarn, Knitting
Knitting recommendations for Lancola textured acetate.
Lancola textures acetate fabrics [Lansil Ltd.] Hosiery Textile Weekly, 66 (15 Apr 66) p.609-10. il.
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FABRICS, Cellulosic, Bleaching
Bleaching cellulose: techinques and new developments. B. C. M. Dorset. Textile Manufacturer, 92 (Feb 66) p.68-73. il.

FABRICS, Cellulosic, Clothing. See Clothing, Fabrics, Cellulosic

FABRICS, Cellulosic, Dyeing
New ideas to improve dyeing processes. A. J. Hall. Textile Recorder, 84 (Nov 66) p.68-70

FABRICS, Cellulosic, Upholstery, Motor cars. See MOTOR CARS, Upholstery, Fabrics, Cellulosic

FABRICS, Clothing. See CLOTHING, Fabrics

FABRICS, Coated, Thickness, Measurement, Beta gauges
Radiation gauging for control & measurement of coatings on fabrics. L. E. Taylor. Textile Inst. & Industry, 4 4 (Oct 66) p.290-2. refs.

FABRICS, Cotton, Clothing. See CLOTHING, Fabrics, Cotton

FABRICS, Cotton, Copolymersation, Graft, Irradiation
Radiation-induced graft polymerisation on to nylon & cotton fabrics. A. G. Davies. Textile Inst. & Industry, 4 (Jan 66) p.11-15. ref.

FABRICS, Cotton, Copolymerisation, Graft, Irradiation, Gamma rays
Radiation-induced grafting of mixed monomers on cotton fabric. S. DasGupta. Dyer, Textile Printer, Bleacher & Finisher, 135 (4 Mar 66) p.357+

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Improved anti-crease process. R. W. Moncrieff. Textile Weekly, 66 (11 Feb 66) p.210-12
Wash–&–wear: three new Swiss techniques. A. J. Hall. Textile Weekly, 66 (6 May 66) p.719-22

FABRICS, Cotton, Crease resistant, Cross linking
Crease resisting cotton: the long chain. J. T. Marsh. Textile Manufacturer, 92 (Aug 66) p.327-9. il.

FABRICS, Cotton, Crease resistant, Cross linking, Formaldehyde, Gaseous
Crease recovery and gaseous formaldehyde. J. T. Marsh. Textile Recorder, 84 (Jul 66) p.90+. il.

FABRICS, Cotton, Crease setting
New fibres & fabrics. J. E. Ford. Textile Weekly, 66 (7 Jan 66) p.16-17

FABRICS, Cotton, Desized, Bleaching, Hydrogen peroxide–Peracetic acid
Bleaching with peracetic acid. R. W. Moncrieff. Dyer, Textile Printer, Bleacher & Finisher, 136 (1 Jul 66) p.23-4. ref.

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Some possibilities of high temperature steaming in textile printing (abstract of "High temperature textile treatments") A. P. Lockett. Dyer, Textile Printer, Bleacher & Finisher, 135 (20 May 66) p.719-20. il.

FABRICS, Cotton, Elastic, Manufactures, Mercerisation, Slack
Stretch cotton fabrics: slack mercerisation. J. T. Marsh. Textile Manufacturer, 92 (Mar 66) p.110-12

FABRICS, Cotton, Elastic, Manufactures, Mercerisation, Slack, Finishing
Finishing of cotton stretch fabrics from the slack mercerisation process. S. L. Vail. Textile Inst. & Industry, 3 (Dec 65) p.309-10. refs.

FABRICS, Cotton, Laundering, Wear, Chemical reactions
Chemical and mechanical wear of cotton fabric in laundering. S. V. Vaeck. J. of Soc. of Dyers & Colourists, 82 (Oct 66) p.374-9. il. refs.

FABRICS, Cotton, Printing, Parrot patterns
Printed parrot patterns. R. Sansone. Dyer, Textile Printer, Bleacher & Finisher, 135 (17 Jun 66) p.871-2. il.

FABRICS, Cotton, Printing, Stockport, History
Early English print works. R. A. Peel. Dyer, Textile Printer, Bleacher & Finisher, 135 (21 Jan 66) p.99-100
Early English printworks (contd.) R. A. Peel. Dyer, Textile Printer, Bleacher & Finisher, 135 (18 Feb 66) p.250-2

FABRICS, Cotton, Scoured, Bleaching, Peracetic acid
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Factors affecting warp breaks in weaving. E. Bradbury. Textile Weekly, 66 (25 Nov 66) p.783-5

FABRICS, Courtelle, Clothing. See CLOTHING, Fabrics, Courtelle
FABRICS, Courtelle–Wool, Clothing. See CLOTHING, Fabrics, Courtelle–Wool

FABRICS, Crease resistance
Crease recovery and swelling agents. J. T. Marsh. Textile Manufacturer, 92 (Jul 66) p. 292-4

FABRICS, Crease setting
Durable press standards—a fibre producer's view. F. Fortress. Man.Made Textiles, 43 (Nov 66) p.60+
Koratron opens UK service centre. Skinner's Record, 40 (Apr 66) p.241-2. il.
Permanent press finish. J. T. Marsh. Textile Recorder, 84 (May 66) p.56+. il.
Permanent press phenomenon -- a finisher's viewpoint. E.J. Chornyei. Man-Made Textiles, 42 (Dec 65) p.47+

FABRICS, Crochet, Outerwear. See OUTERWEAR, Fabrics, Crochet
FABRICS, Crimplene, Knitwear. See KNITWEAR, Fabrics, Crimplene

FABRICS, Dacron, Blended
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FABRICS, Design
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Fabric's three dimensions. C. P. Temple. Skinner's Record, 40 (Apr 66) p.244-5. il.
Interpreting the artist: today's fashion game. H. Wild. Skinner's Record, 40 (Mar 66) p.168

FABRICS, Design, Analysis
Factors in cloth analysis and reproduction of particular designs. Textile Manufacturer, 92 (Jan 66) p.10-12. il.

FABRICS, Drill, Dyeing, Preparation
Preparing goods for dyeing by semi-continuous open-width thermo-pad-roll system [Sassoon Mills Bombay] D. V. Parikh, K. S. Desikan & K. M. Shah. Dyer, Textile Printer, Bleacher & Finisher, 135 (4 Mar 66) p.334-8. il.

FABRICS, Drying, Machines
Continuous cloth drying and dyeing machines [Kobax] Textile Recorder, 84 (Sep 66) p.98+. il.

FABRICS, Duck, Cotton, Fungicides, Dichlorophen
Fungicidal efficiency of dichlorophen and pentachlorophenyl laurate. N. I. Hendey. Textile Manufacture, 92 (Feb 66) p.45-8. il. ref.

FABRICS, Duck, Cotton, Fungicides, Pentachlorophenyl laurate
Fungicidal efficiency of dichlorophen and pentachlorophenyl laurate. N. I. Hendey. Textile Manufacturer, 92 (Feb 66) p.45-8. il. ref.

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Continuous dyeing of carpets and felts [Fleissner] Dyer, Textile Printer, Bleacher & Finisher, 136 (2 Sep 66) p.377-8. il.
Continuous dyeing plant for carpets & piece goods [BASF-Fleissner] Textile Weekly, 66 (2 Sep 66) p.340-1
Continuous dyeing range for tufted carpets and needled felts [BASF/Fleissner plant] Man-Made Textiles, 43 (Sep 66) p.76+. il.
Continuous dyeing system for carpets and felts [B.A.S.F./Fleissner carpet washing range] Textile Recorder, 84 (Oct 66) p.69-70. il.
Expansion in commission dyeing and finishing [Sir Thomas and Arthur Wardle Ltd.] Dyer, Textile Printer, Bleacher & Finisher, 135 (7 Jan 66) p.25-7. il.
Solving practical dyehouse problems: knowing the process. R. A. Peel. Dyer, Textile Printer, Bleacher & Finisher, 135 (15 Apr 66) p.551+
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FABRICS, Dyeing, Beam, Machines
Steam-dyeing machinery. K. Limbert. J. of Soc. of Dyers & Colourists, 82 (Mar 66) p.97-102. il.

FABRICS, Dyeing, Colour fastness, Labels
Colour-fastness of textile labelling. K. McLaren. J. of Soc. of Dyers & Colourists, 81 (Dec 65) p.522-31. il. refs.

FABRICS, Dyeing, Control systems
Automatic controls in the dyehouse. R. A. Peel. Dyer, Textile Printer, Bleacher & Finisher, 135 (18 Feb 66) p.246-8

FABRICS, Dyeing, Dyes
Developments in dyes and dyeing. E. J. Newton. Dyer, Textile Printer, Bleacher & Finisher, 136 (15 Jul 66) p.99-104. il. refs.

FABRICS, Dyeing, Dyes, Azo compounds
Continuous dyeing process for insoluble Azo dyes. R. W. Moncrieff. Dyer, Textile, Printer, Bleacher & Finisher, 135 (4 Mar 66) p.331-2. refs.
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FABRICS, Dyeing, Dyes, Reactive
Application of reactive dyes. A. J. Hall. Textile Weekly, 66 (1 Jul 66) p.21-3

FABRICS, Dyeing, Machines
Continuous cloth drying and dyeing machines [Kobax] Textile Recorder, 84 (Sep 66) p.98+. il.
Rapidotherm heat setting and dyeing. Dyer, Textile Printer, Bleacher & Finisher, 136 (5 Aug 66) p.203-4

FABRICS, Dyeing, Reactive dyes, Padding

Relations between some physiochemical properties of reactive dyes and their behaviour in padding processes. M. Capponi & R. C. Senn. J. of Soc. of Dyers & Colourists, 82 (Jan 66) p.8-14. il. refs.

FABRICS, Elastic, Clothing. See CLOTHING, Fabrics, Elastic

FABRICS, Elastic, Dyeing

Dyeing Acrilan, Cumuloft, and spandex yarns and fabrics. W. Stump. J. of Soc. of Dyers & Colourists, 81 (Dec 65) p.556-61

Dyeing and finishing techniques for stretch fabrics. J. Keaton. Textile Recorder, 84 (Jun 66) p.65-6

FABRICS, Elastic, Finishing

Dyeing and finishing techniques for stretch fabrics. J. Keaton. Textile Recorder, 84 (Jun 66) p.65-6

Finishing of stretch fabrics (summary) G. Hasty. Dyer, Textile Printer, Bleacher & Finisher, 135 (4 Feb 66) p. 195+

FABRICS, Elastic, Knitwear. See KNITWEAR, Fabrics, Elastic

FABRICS, Elastic, Weaving

Weaving of bulked & other stretch yarns. Textile Weekly, 66 (4 Feb 66) p.168-71. il.

FABRICS, Felting, Machines

Five-in-one system on raiser-felter machine [T. W. Riley Ltd.] Hosiery Trade J., 73 (May 66) p.103-5. il.

FABRICS, Film, Sacks. See SACKS, Fabrics, Film

FABRICS, Finishes, Water repellent

Conference on water-repellency: summary of "Finishing for water-repellency." E. B. Higgins. Dyer, Textile Printer, Bleacher & Finisher, 135 (3 Jun 66) p.827+

FABRICS, Finishing

Expansion in commission dyeing and finishing [Sir Thomas and Arthur Wardle Ltd.] Dyer, Textile Printer, Bleacher & Finisher, 135 (7 Jan 66) p.25-7. il.

Increased automation for quality control at Chadwick and Smith. Dyer, Textile Printer, Bleacher & Finisher, 135 (7 Jan 66) p.54+. il.

Practical problems and technical progress in finishing fabrics. B. C. M. Dorset. Textile Manufacturer, 92 (Jan 66) p.24-9

Problems of high speed textile finishing. T. A. Uthwatt. Dyer, Textile Printer, Bleacher & Finisher, 135 (21 Jan 66) p.133+. il.

FABRICS, Finishing, Silicones

Interesting and special uses of silicon compounds in dyeing and finishing. B. C. M. Dorset. Textile Manufacturer, 92 (Jul 66) p.284-9. il.

FABRICS, Finishing, Weft straighteners

Straightening weft threads and removing wrinkles in finishing. T. H. Cooper. Man-Made Textiles, 43 (May 66) p.50+. il.

FABRICS, Finishing, Weft straighteners, Control systems, Photoelectric

Automatic cloth straighteners in the American textile industry [Coltron] Textile Weekly, 66 (10 Jun 66) p.894+. il.

FABRICS, Flame resistance

Flame resistance and textiles. R. A. Blease. Fire, 59 (Jun 66) p.37-9

Modern flameproofing processes. A. J. Hall. Textile Recorder, 83 (Feb 66) p.64-7. il.

FABRICS, Flocking, Electrostatic, Machines

Verasitility in new flocking machine [GFS] Textile Manufacturer, 92 (Aug 66) p.317-18. il.

FABRICS, Foamback, Backings

Changing face of primary backings: 1966 sees the UK introduction of manmade fibre fabrics. Skinner's Record, 40 (Feb 66) p.114+. il.

FABRICS, Foamback, Flame bonded

Fabric–foam laminates—observations on "melting point" of foams. A. Williamson. Textile Inst. & Industry, 4 (Apr 66) p.101

FABRICS, Foamback, Flame bonded—*cont.*

Flame-laminating process—quality control. A. Williamson. Textile Inst. & Industry, 4 (Jul 66) p.206-7. il.

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Coin, FTX and foam laminating. Man-Made Textiles, 43 (Jan 66) p.53-4. il.

Fabric/foam and fabric/fabric laminates: I.C.I. Dyestuffs Division experts review present adhesive methods. Man-Made Textiles, 43 (Jan 66) p.60+

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FABRICS, Foundation wear. See FOUNDATION WEAR, Fabrics

FABRICS, Full-fashioned knitwear. See KNITWEAR, Full-fashioned, Fabrics

FABRICS, Furnishings. See FURNISHINGS, Fabrics

FABRICS, Geometry

Shape and structure in textiles. P. Grosberg. J. of Textile Inst., Trans., 57 (Sep 66) p.383-94. il. refs.

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FABRICS, Inspection

Maintaining quality with rigid delivery standards. J.F. Hall. Textile Manufacturer, 92 (Oct 66) p.411-12

FABRICS, Inspection, Lighting

Perch light & cloth inspection. E. J. D. Poole & J. H. Turner. Textile Inst. & Industry, 3 (Dec 65) p.304-8. il.

FABRICS, Knitted, Bleaching

Dyeing & finishing of knitted goods, pt.1. D. Haigh. Hosiery Trade J., 73 (Nov 66) p.119-22. il.

FABRICS, Knitted, Dyeing

Some principles underlying level dyeing of knitted goods: role of the assistants. A.J. Hall. Hosiery Times, 39 (Sep 66) p.45+

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Advancing technology in knitwear finishing. T.A. Podbereski. Hosiery Times, 39 (Aug 66) p.52-3. il.

FABRICS, Knitted, Manufactures

Pattern for tomorrow at B.H. Textiles. J. E. Gibbon. Hosiery Trade J., 73 (Jun 66) p.102-4. il.

FABRICS, Knitted, Scouring

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FABRICS, Knitted, Setting

Expanded uses for Auto-setter [Andrew Engineering (Nottingham) Ltd.] Hosiery Trade J., 73 (Oct 66) p.94-5

FABRICS, Knitted, Stabilisation

Stabilisation of knitted fabrics. F. N. Hunt. Textile Inst. & Industry, 4 (Aug 66) p.230-3. il.

FABRICS, Knitted, Thonging

Thonging: novel knit material wins top design award. Hosiery Trade J., 73 (Apr 66) p.125

FABRICS, Knitwear. See KNITWEAR, Fabrics

FABRICS, Laminated

Bright prospects for Scottish laminators. Textile Weekly, 66 (28 Jan 66) p.136+

FABRICS, Laminating

New fibres & fabrics. J. E. Ford. Textile Weekly, 66 (7 Jan 66) p.16-17

FABRICS, Laminating, Adhesives

Aspects of laminating by adhesives. Man-Made Textiles, 43 (Jan 66) p.56+

Coin, FTX and foam laminating. Man-Made Textiles, 43 (Jan 66) p.53-4. il.

Fabric/foam and fabric/fabric laminates: I.C.I. Dyestuffs Division experts review present adhesive methods. Man-Made Textiles, 43 (Jan 66) p.60+

FABRICS, Laminating, Adhesives—*cont.*
New concept in bonding: Frome process. Hosiery Trade J., 73 (Feb 66) p.96. il.

FABRICS, Laminating, Adhesives, Polyurethane, Spot coating
Spot coating attachment is added to adhesive coater-combining range. Textile Weekly, 66 (25 Feb 66) p.343-4. il.

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Fabric bonding with polyethylene nets [Smith & Nephew Research Ltd.] Skinner's Record, 40 (Oct 66) p.708-9. il.

FABRICS, Making-up, Sewing, Thread, Lubrication
Thread lubrication. Hosiery Trade J., 73 (Oct 66) p.142-3. il.

FABRICS, Man-made fibres, Clothing. See CLOTHING, Fabrics, Man-made fibres

FABRICS, Man-made fibres, Dyeing
New ideas to improve dyeing processes. A. J. Hall. Textile Recorder, 84 (Nov 66) p.68-70

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Process control and measurement in high pressure beam dyeing. F. Cooper & G. T. Robinson. Dyer, Textile Printer, Bleacher & Finisher, 135 (18 Feb 66) p.263+. il.

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Some possibilities of high temperature steaming in textile printing (abstract of "High temperature textile treatments") A. P. Lockett. Dyer, Textile Printer, Bleacher & Finisher, 135 (20 May 66) p.719-20. il.

FABRICS, Man-made fibres, Furnishings. See FURNISHINGS, Fabrics, Man-made fibres

FABRICS, Man-made fibres, Knitted, Bleaching
Dyeing and finishing of knitted goods, pt.2. D. Haigh. Hosiery Trade J., 73 (Dec 66) p.129+. il.

FABRICS, Man-made fibres, Knitted, Scouring
Dyeing and finishing of knitted goods, pt.2. D. Haigh. Hosiery Trade J., 73 (Dec 66) p.129+. il.

FABRICS, Man-made fibres, Knitwear. See KNITWEAR, Fabrics, Man-made fibres

FABRICS, Man-made fibres, Pilling
Pilling problems with synthetic fibre materials. A.J. Hall. Textile Recorder, 84 (Sep 66) p.73-6. il.

FABRICS, Man-made fibres, Setting, Heat
Heat-setting of synthetic fibres (summary) R. E. Ritter. Dyer, Textile Printer, Bleacher & Finisher, 136 (19 Aug 66) p.263-4
Heat-setting synthetic fibres. R. E. Ritter. Skinner's Record 40 (Aug 66) p.566-7. il.
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FABRICS, Man-made fibres, Trousers. See TROUSERS, Fabrics, Man-made fibres

FABRICS, Man-made fibres, Upholstery. See UPHOLSTERY, Fabrics, Man-made fibres

FABRICS, Man-made fibres, Weaving, Warp breakage
Factors affecting warp breaks in weaving. E. Bradbury. Textile Weekly, 66 (25 Nov 66) p.783-5

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Recent developments in unconventional fabric-forming techniques, pt.1. J. C. Forsyth. Textile Inst. & Industry, 4 (Jun 66) p.165-7. il.
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Distribution of adhesive drops within fibre bundles. T. G. Somer. J. of Applied Chemistry, 16 (May 66) p.149-53. il. refs.

FABRICS, Nylon
Celon. J. E. Gibbon. Hosiery Trade J., 73 (Aug 66) p.58-61. il.

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Radiation-induced graft polymerisation on to nylon & cotton fabrics. A. G. Davies. Textile Inst. & Industry, 4 (Jan 66) p.11-15. ref.

FABRICS, Nylon, Dresses. See DRESSES, Fabrics, Nylon

FABRICS, Nylon, Dyeing
Present position of nylon dyeing (summary) D. F. Scott. Dyer, Textile Printer, Bleacher & Finisher, 136 (2 Sep 66) p.365+

FABRICS, Nylon, Dyeing, Dyes, Acid, Additives
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FABRICS, Nylon, High temperature
Nomex high-temp nylon arrives in UK. Skinner's Record, 40 (May 66) p.310-11. il.

FABRICS, Nylon, Knitwear. See KNITWEAR, Fabrics, Nylon

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Theoretical and experimental investigation of the stiffness and crease recovery of monofilament fabrics. J. Skelton. J. of Textile Inst., 57 (Nov 66) p.505-19. il. refs.

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Theoretical and experimental investigation of the stiffness and crease recovery of monofilament fabrics. J. Skelton. J. of Textile Inst., 57 (Nov 66) p.505-19. il. refs.

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Distinguishing features in three dimensional fabrics. E. E. Jennings. Textile Manufacturer, 92 (Sep 66) p.352-5. il.
Pile fabrics. G. Hammerschmidt. Textile Inst. & Industry, 4 (May 66) p.126-8. il.
Three-dimensional fabrics (abridged) E. E. Jennings. Wool Record, 109 (18 Mar 66) p.31-2

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High-pile sliver knits [Kraftamatic] Man-Made Textiles, 43 (Sep 66) p.64+. il.

FABRICS, Pile, Warp knit
New methods for warp knit and plush fabrics [Raschel] Hosiery Trade J., 73 (Sep 66) p.100-2. il

FABRICS, Polyester fibres, Knitwear. See KNITWEAR, Fabrics, Polyester fibres

FABRICS, Polyester fibres, Manufactures
Coming polyester battle. P. Lennox-Kerr. New Scientist, 29 (17 Feb 66) p.429-30

FABRICS, Polyester fibres–Cotton, Clothing. See CLOTHING, Fibres, Polyester fibres–Cotton

FABRICS, Polyester fibres–Cotton, Dyeing, Disperse dyes, Effect of crease setting

Disperse dyes and deferred-cure: summary of "A study of the effect of high temperature heat treatments on disperse dyed polyester/cotton fabrics as found in deferred cure finishing". Dyer, Textile Printer, Bleacher & Finisher, 136 (1 Jul 66) p.25

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Infra-red predrying in the laboratory [E. I. du Pont de Nemours and Company (Inc.)] Dyer, Textile Printer, Bleacher & Finisher, 135 (7 Jan 66) p.23-4. il.

FABRICS, Polynosics, Manufactures

Processing Vincel type 64: recommendations based on trade evaluation of Courtaulds' newest polynosic. Man-Made Textiles, 43 (Nov 66) p.41+. il.

FABRICS, Polypropylene, Tape. See TAPE, Fabrics, Polypropylene

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Finishing of fabrics made from elastomeric yarns (summary) J. S. Ward. Dyer, Textile Printer, Bleacher & Finisher, 135 (4 Feb 66) p.197+

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Maintaining good quality in printing. D. V. Parikh & S. Parikh. Dyer, Textile Printer, Bleacher & Finisher, 136 (2 Sep 66) p.342-4

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Ice-colour dyeing & printing. A. J. Hall. Textile Weekly, 66 (11 Mar 66) p.419+

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Distinctive features in a flat screen printing machine [Zimmer machine] J. McCartney, jr. Textile Manufacturer, 91 (Dec 65) p.521-2

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Five-in-one system on raiser-felter machine [T. W. Riley Ltd.] Hosiery Trade J., 73 (May 66) p.103-5. il.

FABRICS, Raising, Machines, Double drum

Double-drum fabric raising machine: high production, improved quality of finish on the Arbach DTR/64. Hosiery Times, 39 (Apr 66) p.71+. il.

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Rayon is news: mixed denier blends. Man-made Textiles, 43 (May 66) p.65

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Wash–&–wear: three new Swiss techniques. A. J. Hall. Textile Weekly, 66 (6 May 66) p.719-22

FABRICS, Rayon, Viscose, Printing, Parrot patterns

Printed parrot patterns. R. Sansone. Dyer, Textile Printer, Bleacher & Finisher, 135 (17 Jun 66) p.871-2. il.

FABRICS, Rayon–Cotton, Chain motif, Weaving

Chain weave motif for cotton-rayon fabric. R. Sansone. Textile Weekly, 66 (11 Mar 66) p.417. il.

FABRICS, Rubber, Clothing. See CLOTHING, Fabrics, Rubber

FABRICS, Rubber, Foundation wear. See FOUNDATION WEAR, Fabrics, Rubber

FABRICS, Selvedges, Construction, Looms, Shuttleless

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FABRICS, Setting, Heat, Machines

Rapidotherm heat setting and dyeing. Dyer, Textile Printer, Bleacher & Finisher, 136 (5 Aug 66) p.203-4

FABRICS, Sew-knitting, Weft insertion, Air-jet

Czechs combine air-jet with sew-knit techniques. Skinner's Record, 40 (Oct 66) p.692. il.

FABRICS, Shrinkage, Compressive

Development of the compressive shrinking process for woven textiles [Evaset] A. Melville. Textile Inst. & Industry, 4 (Jul 66) p.196-200. il.

FABRICS, Terylene, Clothing. See CLOTHING, Fabrics, Terylene

FABRICS, Terylene, Finishing

Permalose finish for Terylene (summary) D. A. Garrett & P. N. Hartley. Dyer, Textile Printer, Bleacher & Finisher, 136 (16 Sep 66) p.455

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Kintslaid unveils the Kraftamatic. Skinners Record, 40 (Jul 66) p.502-3. il.

Kraftamatic. Hosiery Trade J., 73 (Oct 66) p.87+. il.

Kraftamatic process: unique approach to pile fabric manufacture. Man-Made Textiles, 43 (Jul 66) p.68+. il.

Novel machine for producing pile fabrics [Kraftamatic: Trent Engineering Co. Ltd.] Textile Recorder, 84 (Jul 66) p.112+. il.

FABRICS, Upholstery. See UPHOLSTERY, Fabrics

FABRICS, Warp knit, Furnishings. See FURNISHINGS, Fabrics, Warp knit

FABRICS, Warp-knit, Rollers

Eliminating a bottleneck in warp knitting [Gainsborough Cornerd] Textile Weekly, 66 (17 Jun 66) p.924-5. il.

FABRICS, Warp knit, Swimwear. See SWIMWEAR, Fabrics, Warp knit

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Wet treatment of textiles in the Valls machine. Dyer, Textile Printer, Bleacher & Finisher, 135 (4 Mar 66) p.373-4. il.

FABRICS, Woollen

Related Headings:

FLANNEL
TWEEDS

FABRICS, Woollen, Clothing. See CLOTHING, Fabrics, Woollen

FABRICS, Woollen, Looms, Pirnless

Appreciation of pirnless looms: effect on image of the weaving industry. Textile Weekly, 66 (22 Apr 66) p.645-6

FABRICS, Woollen, Mothproofing

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FABRICS, Woollen, Mothproofing, Dieldrin, Determination, Colorimetry

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FABRICS, Woollen, Research

Product development: new I.W.S. venture. G. H. Crowshaw. Textile Manufacturer, 92 (Mar 66) p.95-7. il.

FABRICS, Worsted, Blended, Knitted, Streakiness

Assessment of blending techniques in worsted yarn production. Pt.2: measurement of streakiness. W. Parker & P. P. Townend. J. of Textile Inst. Trans., 57 (Jun 66) p.254-60. il. refs.

FABRICS, Worsted, Clothing. See CLOTHING, Fabrics, Worsted

FABRICS, Worsted, Fatigue, Bending, Testing, Distributions

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FABRICS, Worsted, Multicolour yarn

Assessment of blending techniques in worsted-yarn production. Pt.1: factors affecting streakiness. W. Parkin & P. P. Townend. J. of Textile Inst., Trans., 57 (Mar 66) p.90-106. refs.

FABRICS–FILM, P.V.C., Laminates. See LAMINATES, Fabrics–Film, P.V.C.

FABRY PEROT INTERFEROMETERS. See INTERFEROMETERS, Fabry Perot

FACE CENTRED CUBIC ALLOYS. See ALLOYS, Face centred cubic

FACE CENTRED CUBIC CRYSTALS. See CRYSTALS, Face-centred cubic

FACE CENTRED CUBIC METALS. See METALS, Face centred cubic

FACE CENTRED CUBIC METALS, Films. See FILMS, Metal, Face centred cubic

FACE CENTRED CUBIC METALS, Films, Laminates. See LAMINATES, Films, Metals, Face centred cubic

FACE-PIECES, Respirators, Lead production. See LEAD, Production, Respirators, Face-pieces

FACE SUPPORTS, Coal mining. See PIT-PROPS

FACING, Concrete, External walls, Buildings. See BUILDINGS, Walls, External, Concrete, Facing

FACSIMILE DATA RECORDING, Ultrasonics testing. See ULTRASONICS, Testing, Data recording, Facsimile

FACSIMILE TRANSMISSION

Future of graphic communications. T. M. C. Lance. Electronic Engng., 38 (Aug 66) p.532-5. il.

FACSIMILE TRANSMISSIONS, Pictures, Meteorology, Artificial satellites. See SATELLITES, Artificial, Meteorology, Pictures, Facsimile transmission

FACSIMILE TRANSMISSIONS, Pictures, Moon. See MOON, Pictures, Facsimile transmission

FACSIMILE TRANSMISSIONS, Printing, Newspapers. See NEWSPAPERS, Printing, Facsimile transmission

FACTICE, Fillers, Rubber. See RUBBER, Fillers, Factice

FACTORIAL EXPERIMENTS. See EXPERIMENTS, Factorial

FACTORIAL EXPERIMENTS, Metallurgy. See METALLURGY, Experiments, Factorial

FACTORIES

A. Johnson & Co., Wokingham. Architectural Design, 36 (Jun 66) p.304. il.

Card factory, Dublin. Building, 211 (9 Sep 66) p.125. il.

Factories: at Ashford, Kent for Walter Jones Ltd., and at Duxford, Cambs for CIBA (ARL) Ltd. Architects' J., 143 (6 Apr 66) p.893+. il.

Industrial estate, Ja-Ela. Architectural Rev., 139 (Feb 66) p.133. il.

Merchant Adventurers at Feltham. Industrial Architecture, 9 (Feb 66) p.81-3. il.

Reliance Controls factory, Swindon, Wiltshire. Architectural Design, 36 (Apr 66) p.187. il.

Replanning existing factories. D. C. Jenner. Food Manufacture, 41 (Feb 66) p.42+

Seven post-war factories: building type appraisal. P. Manning. Architects' J., 143 (25 May 66) p.1321+. il.

FACTORIES

Related Headings:

- ALCOHOLIC BEVERAGES, Bottling, Buildings
- ANIMAL FEEDINGSTUFFS, Manufactures, Factories
- BACON, Processing, Factories
- BARRACKS, Prefabricated, Components, Manufactures, Factories
- BRICKS, Manufactures, Factories
- CARPETS, Man-made fibres, Manufactures, Factories
- CARPETS, Tufted, Manufactures, Factories, Architecture
- COSMETICS, Manufactures, Factories
- DUPLICATORS, Manufactures, Factories
- DRUGS, Factories, Architecture
- ELECTRONIC EQUIPMENT, Manufactures, Factories, Architecture
- FURNITURE, Steel, Factories, Architecture
- GLASS, Manufactures, Factories, Architecture
- LUGGAGE, Manufactures, Factories, Architecture
- MALTHOUSES
- OILS, Vegetable, Processing, Factories, Architecture
- PAPER, Converting, Machines, Manufactures, Factories, Architecture
- PAPER, Mills, Architecture
- PULP, Production, Factories, Architecture
- STEEL, Mills
- SWITCHES, Manufactures, Factories, Architecture
- TEA, Packaging, Factories, Architecture
- TELEPHONY, Equipment, Manufactures, Factories, Architecture
- TELEVISION, Studios, Equipment, Manufactures, Factories, Architecture
- TEXTILES, Factories
- THEATRES, Stages, Equipment, Manufactures, Factories, Architecture
- TILES, Manufactures, Factories
- WATCHES, Testing, Equipment, Manufactures, Factories, Architecture

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FACTORIES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Regulations

Problems
    Fires
    Noise

Construction & design
    Design
    Finishing

Building materials

FACTORIES–SUBHEADINGS–Synopsis–cont.

Parts
- *Frames*
- *Cladding*
- *Ceilings*
- *Insulation*
- *Heat pumps*

Services
- *Heating*
- *Ventilation*
  - *Ventilators*
- *Air conditioning*
- *Lighting*
- *Electrical installations*
  - *Power supplies*
  - *Power distribution*
- *Sanitation*
- *First aid, Equipment*

Types
- *Prefabricated*
- *Unit*
  - *Flatted*
- *Disabled persons*

FACTORIES, Air conditioning
Electricity for industry: air conditioning. Electrical Times, (15 Sep 66) p.88+. il.

FACTORIES, Building materials, Plastics
Plastics in the building industry: factories. Architect & Building News, 229 (5 Jan 66) p.25-8. il.

FACTORIES, Ceilings, Luminous
Integrated translucent ceilings. Power & Works Engng. (Jan 66) p.22-5. il.

FACTORIES, Cigarette manufactures. See CIGARETTES, Manufactures, Factories

FACTORIES, Cladding
External cladding: factory in Helsinki. Architects' J., 143 (2 Mar 66) p.595-6. il.
Industrial production buildings: claddings & finishes. Architects' J., 143 (11 May 66) information sheet 1381

FACTORIES, Design
Industrial production buildings: critical design factors. P. Manning. Architects' J., 143 (6 Apr 66) information sheet 1379. ref.
Industrial production buildings: design guide. Architects' J., 143 (27 Apr 66) p.1083+. refs.
Industrial production buildings: general approach to design. P. Manning. Architects' J, 143 (6 Apr 66) p.911-12. refs.
Industrial production buildings: standard factories, advance factories, speculative factories. P. Brigham. Architects' J., 143 (11 May 66) p.1221-4. il.
Industrial production buildings: structural types. Architects' J., 143 (11 May 66) information sheet 1380. il.
Industrial production spaces, fixtures and equipment. Architects' J., 143 (13 Apr 66) p.957+ refs.
Outline specification of a typical and basic general purpose factory production space. P. Manning. Architects' J., 143 (6 Apr 66) information sheet 1378. il. refs.

FACTORIES, Design, Plastic
Influence of plastic design on factory building. L. G. Johnson. Building Materials, 26 (Apr 66) p.50-2. il.

FACTORIES, Disabled persons
Swindon factory for handicapped. J. Urquhart. Municipal J., 74 (1 Apr 66) p.1027+. il.

FACTORIES, Electrical installations
Factory electrical distribution and its control. T. B. Rolls. Plant Engr., 9 (Jan/Feb 66) p.337-46. il. refs.
Practical guide to modern factory electrics. F. T. Connors. Plant Engr., 10 (Aug 66) p.101-7. il.

FACTORIES, Electrical installations, Cables
Wiring medium voltage distribution systems, pt.1. R. L. Marrs. Power & Works Engng., 61 (Mar 66) p.7-13. il.

FACTORIES, Finishing
Industrial production buildings: claddings & finishes. Architects' J., 143 (11 May 66) information sheet 1381

FACTORIES, Fires
Fire in the nineteen-sixties. Chemistry & Industry (3 Sep 66) p.1499
Fire protection in factories. P. Nash. Plant Engr., 10 (May 66) p.36-42. il.

FACTORIES, First aid, Equipment
Industrial production buildings: staff welfare and catering. M. R. Simpson. Architects' J., 143 (1 Jun 66) information sheet 1389. refs.

FACTORIES, Flatted
Adler Street unit workshops. Architectural Design, 36 (Jun 66) p.307. il.

FACTORIES, Frames, Concrete, Precast
Precast concrete: framing for factories. M. R. Hollington. Industrial Architecture, 9 (May 66) p.255-8. il.

FACTORIES, Glass fibre reinforced plastic boat manufactures. See BOATS, Plastics, Reinforced–Glass fibre, Manufactures, Factories

FACTORIES, Heat pumps
Designing a heat pump system. Benjamin & Flack. Heating & Ventilating Engr., 40 (Jul 66) p.31-3. il.

FACTORIES, Heating
Heating and ventilating factories. J. Smith. Plant Engr., 10 (Jun 66) p.69-74. il.

FACTORIES, Heating, Air heaters
Flexible factory heating. P. J. Banting. Fuel Efficiency, 14 (Apr 66) p.10+. il.

FACTORIES, Heating, Air heaters, Radiant tube
Brightside breakthrough: air heated radiant tube. Oil Firing, 7 (Dec 65) p.14-17. il.

FACTORIES, Heating, Electric, Warm air
Warm air curtain: heating in factories [Brytallium Castings (Bolton) Ltd.] Fuel Efficiency, 14 (Jan 66) p.23+. il.

FACTORIES, Heating, Gas-fired, Radiant
New low-cost radiant heating system for industry [Brightside Heating and Engineering Co. Ltd., Sheffield] Gas J., 326 (8 Jun 66) suppt. p.121

FACTORIES, Insulation, Sound
Assessment and reduction of noise. Pt.5: "solid barriers" J. Moir. Steam & Heating Engr., 35 (Jul 66) p.14-17. il.
Assessment and reduction of noise. Pt. 6: sound resistant barriers in practice. J. Moir. Steam & Heating Engr., 35 (Aug 66) p.19+. il.

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Electricity for industry: lighting. Electrical Times, 150, (15 Sep 66) p.385-7. il.
Recent developments in industrial lighting. K.H. Ragsdale. Power & Works Engng., 61 (Sep 66) p.5-10. il.
Windowless factories. D.C. Pritchard. Power & Works Engng., 61 (Sep 66) p.24-9. il.

FACTORIES, Lighting, Fittings, Design
Practical precision in industrial lighting design. H. E. Bellchambers & J. T. Grundy. Electrical Times, 149 (6 Jan 66) p.3-8. il. refs.

FACTORIES, Noise
Noise considerations in machines and factories. E. J. Richards. Chartered Mechanical Engr., 13 (Jun 66) p.266-73. il. refs.
Noise in factories. Machinery, 108 (2 Feb 66) p.227+

FACTORIES, Power distribution
Electricity for industry: factory distribution. Electrical Times, 150 (15 Sep 66) p.400

FACTORIES, Power supplies, A.C., Battery operated
Emergency power supplies: A. C. static systems for industrial application. E. W. Porter. Electrical Rev., 179 (5 Aug 66) p.202-6. il.

FACTORIES, Prefabricated
Industrial production buildings: prefabricated and other building systems. M. R. Simpson. Architects' J., 143 (1 Jun 66) information sheet 1391. il.
FACTORIES, Regulations
Industrial production buildings: legislation. Architects' J., 143 (18 May 66) information sheet 1387. il. refs.
FACTORIES, Sanitation
Industrial production buildings: staff welfare and catering. M. R. Simpson. Architects' J., 143 (1 Jun 66) information sheet 1389. refs.
FACTORIES, Town planning
Related Headings:
TRADING ESTATES
FACTORIES, Unit
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FALL-OUT, Nuclear explosions. See NUCLEAR EXPLOSIONS, Fall-out
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FARMHOUSES
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MILKING PARLOURS
PIGS, Farrowing, Housings
PIGS, Fattening, Housings
PIGS, Housings
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FASTENERS
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- BOLTS
- HINGES
- NUTS
- PINS
- RETAINING RINGS
- RIVETING
- RIVETS
- SCREWS
- SPRING CLIPS
- STUDS

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FASTNESS, Colour, Dyeing, Fabrics. See FABRICS, Dyeing, Colour, Fastness
FASTNESS, Colour, Fabrics, Clothing. See CLOTHING, Fabrics, Colour, Fastness
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FAT, Fish meal. See FISH MEAL, Fat content

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- CORROSION

FATIGUE, Aircraft equipment. See AIRCRAFT, Equipment, Fatigue
FATIGUE, Aircraft structures. See AIRCRAFT, Structures, Fatigue
FATIGUE, Annealed aluminium. See ALUMINIUM, Annealed, Fatigue
FATIGUE, Ball bearings. See BEARINGS, Ball, Fatigue
FATIGUE, Bolts, Connecting rods, Engines, Motor vehicles. See MOTOR VEHICLES, Engines, Connecting rods, Bolts, Fatigue
FATIGUE, Brass. See BRASS, Fatigue tests
FATIGUE, Brittle fracture, Mild steel. See STEEL, Mild, Fracture, Brittle, Fatigue
FATIGUE, Butt welding. See WELDING, Butt, Fatigue
FATIGUE, Compression joints, Steel wires. See WIRES, Steel, Joints, Compression, Fatigue
FATIGUE, Copper. See COPPER, Fatigue tests
FATIGUE, Copper–Tungsten fibres. See COPPER–TUNGSTEN FIBRES, Fatigue
FATIGUE, Corrosion, Steel. See STEEL, Corrosion fatigue
FATIGUE, Cracking, Mild steel, Receivers, Compressed air. See AIR, Compressed, Receivers, Steel, Mild, Cracking, Fatigue
FATIGUE, Cracks, Aluminium. See ALUMINIUM, Cracks, Fatigue
FATIGUE, Cracks, Beta brass. See BRASS, Beta, Cracks, Fatigue
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FATIGUE, Cracks, Cast iron, Cylinders, Diesel engines. See DIESEL ENGINES, Cylinders, Iron, Cast, Cracks, Fatigue
FATIGUE, Cracks, Cast steel, Cylinders, Diesel engines. See DIESEL ENGINES, Cylinders, Steel, Cast, Cracks, Fatigue
FATIGUE, Cracks, Coated aluminium sheets, Structures, Aircraft. See AIRCRAFT, Structures, Sheets, Aluminium, Coated, Cracks, Fatigue
FATIGUE, Cracks, Crankshafts, Diesel engines. See DIESEL ENGINES, Crankshafts, Cracks, Fatigue
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FATIGUE, Cracks, Steel–Chromium–Molybdenum–Nickel. See STEEL–CHROMIUM–MOLYBDENUM–NICKEL, Cracks, Fatigue
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FATIGUE, High pressure components. See HIGH PRESSURE, Components, Fatigue
FATIGUE, Low endurance, Hot rolled steel–manganese plates. See PLATES, Steel–Manganese, Hot rolled, Fatigue, Low endurance
FATIGUE, Magnox AL80, Cans, Fuel elements, Nuclear reactors. See NUCLEAR REACTORS, Fuel elements, Cans, Magnox AL80, Fatigue
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FATIGUE, Roller bearings. See BEARINGS, Roller, Fatigue
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FATIGUE, Silver–Steel fibres. See SILVER–STEEL FIBRES, Fatigue
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FATIGUE, Steel–Chromium–Molybdenum–Nickel, Thick walled cylinders. See CYLINDERS, Thick walled, Steel–Chromium–Molybdenum–Nickel, Fatigue
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FATIGUE, Tensile, Worsted, Yarns. See YARNS, Worsted, Fatigue, Tensile
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FATTENING, Turkeys. See TURKEYS, Fattening

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ERUCIC ACID
LINOLEIC ACID
STEAROLIC ACID

FATTY ACIDS, Alkyd resins, Paint. See PAINT, Alkyd resins, Fatty acids

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FEEDBACK, Amplifiers, Impedance convertors. See IMPEDANCE, Convertors, Amplifiers, Feedback

FEEDBACK, Amplifiers, Ultrasonics, Delay lines. See DELAY LINES, Ultrasonics, Amplifiers, Feedback

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FEEDBACK, Multi-loop, Amplifiers. See AMPLIFIERS, Feedback, Multi-loop

FEEDBACK, Negative, Audio frequency amplifiers. See AMPLIFIERS, Audio frequency, Feedback, Negative

FEEDBACK, Negative, Variable gain amplifiers. See AMPLIFIERS, Variable gain, Feedback, Negative

FEEDBACK, Oscillators. See OSCILLATORS, Feedback

FEEDBACK, Shift registers. See SHIFT REGISTERS, Feedback

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FEEDBACK, Transistor tuned R.F. amplifiers. See AMPLIFIERS, R.F., Tuned, Transistor, Feedback

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FEEDERS, Briquetted silicon, Cupolas, Casting, Iron, Motor vehicle parts. See MOTOR VEHICLES, Parts, Iron, Casting, Cupolas, Silicon, Briquetted, Feeders

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FEEDING, Machines, Farm animals. See ANIMALS, Farm, Feeding, Machines

FEEDING, Pigs. See PIGS, Feeding

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FEEDWATER, Boilers. See BOILERS, Feedwater

FEEDWATER, Boilers, Power stations. See POWER STATIONS, Boilers, Feedwater

FEEDWATER, Boilers, Ships. See SHIPS, Boilers, Feedwater

FOODWATER, Boilers, Steam motor vehicles. See MOTOR VEHICLES, Steam, Boilers, Feedwater

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FEEDWATER, Low pressure hot water heating, Buildings. See BUILDINGS, Heating, Hot water, Low pressure, Feedwater

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FELSPAR, Flotation, Collectors, Dodecylamine, Activators, Fluorides

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FERRYBRIDGE

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FILTERS
ULTRAFILTRATION

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RADIOACTIVITY, Fall-out, Finland
RAILWAYS, Electrification, Finland
RAILWAYS, Finland
TECHNICAL EDUCATION, Finland

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FINS, Heat exchangers. See HEAT, Exchangers, Fins

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FIRE RESISTANT FLUIDS, Hydraulic machinery. See HYDRAULIC MACHINERY, Fluids, Fire resistant

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FIRE TUBE BOILERS. See BOILERS, Fire tube

FIRE TUBE BOILERS, Coal fired heating, Houses. See HOUSES, Heating, Coal fired, Boilers, Fire tube

FIRE TUBE BOILERS, Heating, Fuel oil. See FUEL OIL, Heating, Boilers, Fire tube

FIRE TUBE BOILERS, Heating, Textile manufactures. See TEXTILES, Manufactures, Heating, Boilers, Fire tube

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AMMUNITION

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FLINT CLAY

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FIREMEN

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FIRES, Agricultural materials. See AGRICULTURAL MATERIALS, Fires
FIRES, Axisymmetric, Flames. See FLAMES (Axisymmetric fires)
FIRES, Buildings. See BUILDINGS, Fires
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FIRES, Fibre board building materials. See FIBRE BOARD, Building materials, Fires
FIRES, Food processing. See FOOD, Processing, Fires
FIRES, Forestry. See FORESTRY, Fires
FIRES, Industrial buildings. See INDUSTRIAL BUILDINGS, Fires
FIRES, Laboratories. See LABORATORIES, Fires
FIRES, Lightweight concrete, Building materials. See Concrete, Lightweight aggregate, Building materials, Fires
FIRES, Liquids, Cryogenics. See CRYOGENICS, Liquids, Fires
FIRES, Luminous ceilings. See CEILINGS, Luminous, Fires
FIRES, Nuclear reactors. See NUCLEAR REACTORS, Fires
FIRES, Office buildings. See OFFICE BUILDINGS, Fires
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FIRES, Structural steel, Buildings. See BUILDINGS, Steelwork, Fire protection
FIRES, Tanks, Storage, Liquefied petroleum gas. See GAS, Liquefied petroleum, Storage, Tanks, Fires
FIRES, Tanks, Storage, Petroleum. See PETROLEUM, Storage, Tanks, Fires
FIRES, Textile manufactures. See TEXTILES, Manufactures, Fires
FIRES, Timber structures. See STRUCTURES, Timber, Fires
FIRES, Walls, Buildings. See BUILDINGS, Walls, Fires
FIRES, Warehouses, Storage, Rubber. See RUBBER, Storage, Warehouses, Fires
FIRES, Warships. See WARSHIPS, Fires
FIRESIDE DEPOSITS, Brown coal, Firing, Boilers, Power stations. See POWER STATIONS, Boilers, Brown coal fired, Deposits, Fireside
FIRESIDE DEPOSITS, Coal fired boilers. See BOILERS, Coal fired, Fireside deposits
FIRING, Ceramics manufactures. See CERAMICS, Manufactures, Firing
FIRING, Glazed pottery. See POTTERY, Glazed, Firing
FIRMINY-VERT
See
CHURCHES, Firminy-Vert
FIRST AID, Factories. See FACTORIES, First aid

FISH
Related Headings:
ANCHOVIES
COD
EELS
HAKE
HERRINGS
PILCHARDS
SALMON
SHELLFISH
SPRATS
TROUT
TUNAS

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FISH, White, Soups. See SOUPS, Fish, White

FISH MEAL
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HERRINGMEAL

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FISH MEAL, Production
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FISH MEAL, Production, Boilers, Economic
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FISHING
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- ANCHOVIES, Fishing
- CRAYFISH, Fishing
- HERRINGS, Fishing
- LOBSTERS, Fishing
- PRAWNS, Fishing
- SHELLFISH
- SPRATS, Fishing
- TRAWLERS
- TRAWLING
- TUNAS, Fishing

FISHING–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following

- Particular localities
  - Africa
    - *Uganda*
  - *Underdeveloped countries*

- *Education*
- *Research*
- International law
  - *Territorial limits*

- *Equipment*
  - *Electronic equipment*
  - *Vessels*
    - *Nets*

- Activities
  - *Echo sounding*

- *Ports*

FISHING, Echo sounding
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Britain's latest nautical school. World Fishing, 14 (Dec 65) p.58-60. il.

FISHING, Education, Japan
How Japan's training methods aid her fisheries. Fishing News International, 5 (Jan 66) p.76-7. il.

FISHING, Education, Newfoundland
Dynamic approach to training: Newfoundland leads world in standard of fishery education. J. C. Sainsbury. World Fishing, 15 (Jun 66) p.51-3. il.

FISHING, Education, Russia
Training—Russian style. M. Popov. World Fishing, 15 (Apr 66) p.48+. il.

FISHING, Eels. See EELS, Fishing

FISHING, Electronic equipment
Electronics in the British fishing industry. R. Bennett. J. of Inst. of Navigation, 19 (Oct 66) p.466-83. il.

FISHING, Equipment, Aluminium
Fish from trawler to kitchen. Aluminium Courier (Jun 66) p.2-7. il.

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Taking fibres to the fisherman. World Fishing, 15 (Dec 66) p.47+. il.

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Finding fisheries skills for the future. A. J. Heighway. Fishing News International, 5 (Jun 66) p.20-1

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FISHING, Industry, Arab countries
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FISHING, Industry, Brixham
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FISHING, Industry, Canary Islands
Fishing from the seven islands. Fishing News International, 5 (Oct 66) p. 22-4. il.

FISHING, Industry, France
France faces the challenge. P. Brady. Fishing News International, 5 (Feb 66) p.38-41. il.

FISHING, Industry, Great Britain
Cash–starved Authority [White Fish Authority's annual report] World Fishing, 15 (Aug 66) p.44-45. il.

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Iceland: another step nearer the Continental Shelf. World Fishing, 15 (May 66) p.33-4

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Indo-Norwegian project develops Indian west coast fisheries. K. Larssen. Fishing News International, 5 (Mar 66) p.36+. il.

FISHING, Industry, New South Wales
N. S. Wales' great potential. World Fishing, 15 (Sep 66) p.61-2. il.

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FISHING, Industry, Tunisia
Tunisia plans to extend fishing activities. E. A. Bell. Fishing News International, 5 (Aug 66) p.40-1. il.

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Race is on in earnest! World Fishing, 15 (Aug 66) p.67-8. il.

FISHING, Industry, Zambia
New methods are boosting two African fisheries. Fishing News International, 5 (Jan 66) p.34-5. il.

FISHING, Nets
Related Headings:
- SEINES
- TRAWLS

FISHING, Nets, Location, Radar Buoys
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FISHING, Ports, Agadir
Agadir rebuilt as the premier fishing port of Morocco. Fishing News International, 5 (Jul 66) p.48-9. il.

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Mexican port project aimed at local market. Fishing News International, 5 (Feb 66) p.26-7. il.

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What can the fisherman hope for from oceanographical research? J. N. Carruthers. Fishing News International, 5 (Jan 66) p.37-9

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New methods are boosting two African fisheries. Fishing News International, 5 (Jan 66) p.34-5. il.

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FISHING, Vessels
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Will Argo set the trend? World Fishing, 15 (Oct 66) p.49-51. il.

FISHING, Vessels
Related Headings:
SEINERS
SUBMARINES (Fishery research)
TRAWLERS
TUNAS, Fishing, Vessels

FISHING, Vessels, Beach landing
Fishing boats without harbours. Pt.1: beach landing vessels problems and methods. E. Estlander. Fishing News International, 5 (Sep 66) p.22+. il.
Beach landing craft, pt.3. E. Estlander. Fishing News International, 5 (Nov 66) p.42-6. il.

FISHING, Vessels, Beach landing, Stations
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FISHING, Vessels, Catamaran
Case for a second hull. World Fishing, 15 (May 66) p.57-9. il.
Scotland builds Britain's first fishing catamaran [Hugh McLean & Sons Ltd., King's Inch Road, Renfrew] A. Cumming. World Fishing, 15 (Oct 66) p.46-8. il.

FISHING, Vessels, Data logging
"Fisherman's diary" from Holland. World Fishing, 15 (Apr 66) p.45-6. il.

FISHING, Vessels, Diesel engines
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Blueprint for a fishery. Pt.2: "If you motorise your boat, don't sell your sail—yet". W. H. Allsopp. World Fishing, 15 (Jun 66) p.54+

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'Gillian Gaggins' factory ship. Ship & Boat Builder, 19 (Jan 66) p.37-8. il.
"Natalia Kovshova", first of three trawler/fish product vessels for Russia. Shipbuilding & Shipping Record, 107 (24 Feb 66) p.248-53. il.

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30,000-ton former whaler becomes world's largest fish factory ship ['Willem Barendsz'] Fishing news International, 5 (Sep 66) p.12+. il.

FISHING, Vessels, Hulls
Case for high-speed hulls. World Fishing, 15 (Jan 66) p.44-5. il.

FISHING, Vessels, Hydraulic machinery
Hydraulics in fishing. Shipbuilding & Shipping Record, 108 (11 Aug 66) p.198-9. il.

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'Hydraconic' hulled boats for the Philippines. J. Burgess & P. Brady. Fishing News International, 5 (Jul 66) p.51-2. il.

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Special charts mark wrecks for trawlermen. Fishing News International, 5 (Mar 66) p.44-5. il.
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Small-boat radar—a neglected market. World Fishing, 15 (Jun 66) p.65-6

FISHING, Vessels, Polyester–Glass fibre
Large fishing boats are now being built of glass reinforced plastic. Fishing News International, 5 (Nov 66) p.48-50. il.

FISHING, Vessels, Propellers, Transverse
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Stabilisation systems. World Fishing, 15 (Dec 66) p.25-7. il.

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Poor man's power steering. World Fishing, 15 (Jun 66) p.62+. il.

FISSION, Plutonium-240. See PLUTONIUM-240, Nuclei, Fission

FISSION, Uranium-235. See URANIUM-235, Nuclei, Fission

FISSION FRAGMENTS, Irradiation, Single crystals. See CRYSTALS, Single, Irradiation, Fission fragments

FISSION FRAGMENTS (Neutron bombardment) Neutrons, Secondary
Fission neutrons from excited nuclei. V. P. Eismont. J. of Nuclear Energy, 20 (Oct 66) p.875-80. il. refs.

FISSION PRODUCTS, Fuel elements, Magnox nuclear reactors. See NUCLEAR REACTORS, Magnox, Fuel elements, Fission products

FISSION PRODUCTS, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Fission products

FISSION PRODUCTS, Irradiation, Fuels, Fast nuclear reactors. See NUCLEAR REACTORS, Fast, Fuels, Irradiation, Fission products

FISSION PRODUCTS, Irradiated fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Irradiated, Fission products

FISSION PRODUCTS, Leak detection, Fuel elements, Nuclear reactors. See NUCLEAR REACTORS, Fuel elements, Leaks, Detection, Fission products

FISSION PRODUCTS, Steam generating heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated, Steam generating, Fission products

FISSION PRODUCTS, Wastes, Nuclear reactors. See NUCLEAR REACTORS, Wastes, Fission products

FITTINGS, Fluorescent lamps. See LAMPS, Fluorescent, Fittings

FITTINGS, Shops (Retail) Food. See FOOD, Shops, Retail, Fittings

FITTINGS, Retail shops. See SHOPS (Retail) Fittings

FIXATION, Dyes, Cotton, Fabrics. See FABRICS, Cotton, Dyes, Fixation

FIXATION, Dyes, Man-made fibres, Fabrics. See FABRICS, Man-made fibres, Dyes, Fixation

FIXATION, Dyes, Printing, Fabrics. See FABRICS, Printing, Dyes, Fixation

FIXED BEDS, Adsorption. See ADSORPTION, Fixed beds

FIXED POINT METHODS, Steady state analysis, Chemical reactions. See CHEMICAL REACTIONS, Steady states, Analysis, Fixed point methods

FIXERS, Photography. See PHOTOGRAPHY, Fixers

FLAIL MOWERS. See MOWERS, Flail

FLAKE DISRUPTERS, Roller milling, Flour. See FLOUR, Milling, Roller, Flake disrupters

FLAKING, Painting, Scale, Steel. See STEEL, Scale, Painting, Flaking

FLAME CUT LOW ALLOY STEEL, Plates. See PLATES, Steel, Low alloy, Flame cut

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FLAME DETECTORS, Gas chromatography, Residues determination, Insecticides, Organophosphorus compounds. See ORGANOPHOSPHORUS COMPOUNDS, Insecticides, Residues, Determination, Gas chromatography, Detectors, Flame

FLAME FAILURE PROTECTION, Oil fired furnaces. See FURNACES, Oil-fired, Flame failure protection

FLAME IONISATION, Detectors, Chromatography. See CHROMATOGRAPHY, Detectors, Flame ionisation

FLAME PHOTOMETRY, Calcium determination, Saliva. See SALIVA, Determination of calcium, Flame photometry

FLAME PHOTOMETRY, Filter testing, Air conditioning. See AIR CONDITIONING, Filters, Testing, Flame photometry

FLAME PHOTOMETRY, Fruit content determination, Ketchup, Tomatoes. See TOMATOES, Ketchup, Fruit content, Determination, Photometry, Flame

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FLAME PHOTOMETRY, Sodium determination, Aluminium alloys. See ALUMINIUM, Alloys, Determination of sodium, Flame photometry

FLAME PHOTOMETRY, Sodium determination, Ores, Manganese. See MANGANESE, Ores, Determination of sodium, Flame photometry

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FLAME RESISTANCE, Plastics, Telephony equipment. See TELEPHONY, Equipment, Plastics, Flame resistance

FLAME RESISTANCE, Polymers. See POLYMERS, Flame resistance

FLAME RESISTANT ENCLOSED LIFEBOATS, Petroleum, Tankers. See TANKERS, Ships, Petroleum, Lifeboats, Enclosed, Flame resistant

FLAME RESISTANT PLASTICS. See PLASTICS, Flame resistant

FLAME RETARDANTS, Cotton. See COTTON, Flame retardants

FLAME SPRAYING, Electrical insulating materials, Ceramics. See CERAMICS, Electrical insulating materials, Spraying, Flame

FLAME SPRAYING, Nickel–Chromium–Boron, Powders, Coatings. See COATINGS, Powders, Boron–Chromium–Nickel, Spraying, Flame

FLAME SPRAYING, Powders, Coatings. See COATINGS, Powders, Spraying, Flame

FLAMEPROOF ENCLOSURES, Electrical equipment. See ELECTRICAL EQUIPMENT, Flameproof enclosures

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FLAMMABLE ATMOSPHERES, Lighting. See LIGHTING, Flammable atmospheres

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FLASH BOILERS. See BOILERS, Flash

FLASH EVAPORATORS, Distillation, Saline water. See WATER, Saline, Distillation, Flash evaporators

FLASH PHOTOLYSIS. See PHOTOLYSIS, Flash

FLASH PHOTOLYSIS, Dyes production, Tracers, Flow measurement, Water. See WATER, Flow, Measurement, Tracers, Dyes, Production, Photolysis, Flash

FLASHINGS
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FLASHLIGHT, Electronic, Photography. See PHOTOGRAPHY, Flashlight, Electronic

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FLASKS, Laboratory apparatus, Washing, Equipment
Flask washer. P. F. Reay & D. E. G. Sheat. Laboratory Practice, 15 (Mar 66) p.316-17. il.

FLASKS, Vacuum, Borosilicate glass, Manufactures
New Thermos plant at Thetford, Norfolk [Stronglass] Glass, 43 (Apr 66) p.162-3. il.

FLATNESS, Optical. See OPTICAL FLATNESS

FLATS
High density living – or dispersal? Building Materials, 26 (Jun 66) p.32-3. il.

FLATS
Related Headings:
MAISONETTES

FLATS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - Great Britain
    - *London*
      - *Westminster*
      - *Kensington & Chelsea*
      - *Southwark*
      - *Lambeth*
      - *Wandsworth*
      - *Brent*
      - *Barnet*
    - *Southampton*
    - *Wolverhampton*
    - *Manchester*
  - France
    - *Grenoble*
  - Belgium
    - *Brussels*
  - U.S.A.
    - *Baltimore*
  - Australia
    - *Sydney*

- Technical operations
  - *Prefabrication*
  - *Modernisation*

FLATS–SUBHEADINGS–Synopsis–cont.

- Parts
    - *Fittings*
    - *Walls*
    - *Panels*
    - *Insulation*
- Services
    - Engineering services
        - *Electrical installations*
        - *Heating*
        - *Water*
        - *Plumbing*
        - *Refuse*
- Types of flats
    - By situation
        - *Overhead (Railway tracks)*
    - By occupant
        - *Old people*
        - *Single persons*

FLATS, Baltimore
Highfield House, Baltimore, USA. Architectural Design, 36 (May 66) p.235-7. il.

FLATS, Barnet, Hendon
Flats, London, N.W.4 [Parson St.] Architect & Building News, 229 (19 Jan 66) p.111-14. il.

FLATS, Brent, Kingsbury
Housing: in Slough Lane, Kingsbury Green, London N.W.9. Architects' J., 144 (16 Nov 66) p.1209+. il.
Housing, Kingsbury. Architectural Rev., 140 (Nov 66) p.361-5. il.

FLATS, Brussels
Banque Lambert, Brussels. Architectural Rev., 139 (Mar 66) p.193-200. il.

FLATS, Electrical installations
Changing face of Brighton. Electrical Distribution, 6 (Jan 66) p.334-6. il.
Electrical installation in Slough multi-storey flats. Electrical Times, 149 (17 Mar 66) p.393-5. il.

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FLATS, Grenoble
Apartments, Grenoble. Architect & Building News, 229 (2 Feb 66) p.190-2. il.

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Performance of the B.C.U.R.A. fully-automatic smokeless stoker for central heating. S. A. Burke & K. E. Collins. Instn. of Heating & Ventilating Engrs. J., 34 (Jul 66) p.114-29. il. refs.

FLATS, Heating, District
District heating at Ballymun. Consulting Engr., 30 (Oct 66) p.47+. il.
Research on heating installations in tall blocks. W. Raiss. Instn. of Heating & Ventilating Engrs. J., 34 (Jun 66) p.88-92. il.

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FLATS, Insulation, Sound, Tests
Statistical spread of measured airborne and impact sound insulation in the field. M. L. Kasteleijn. J. of Sound & Vibration, 3 (Jan 66) p.36-45. il.

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Housing, Kensington. Architect & Building News, 230 (7 Sep 66) p.417-22. il.

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Housing and community hall, Lambeth. Architectural Design, 36 (Apr 66) p.190. il.
Pentagon blocks, Lambeth, London. Architectural Rev., 139 (Jan 66) p.39. il.

FLATS, London
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FLATS, Manchester
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FLATS, Modernisation
Garden flat conversion, Northampton Park. Builder, 210 (4 Feb 66) p.218. il.

FLATS, Old people, Hammersmith
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FLATS, Old people, Stevenage
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Greater London Council choose RP for flats. Applied Plastics, 9 (Jan 66) p.13-14. il.
Plastics-clad housing. Official Architecture & Planning, 29 (Jan 66) p.121. il.

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Three French flat systems. R. M. E. Diamant. Architect & Building News, 230 (30 Nov 66) p.961-4. il.

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FLATS, Prefabrication, PAC system

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FLATS, Prefabrication, Peikert system

Peikert system. R. M. E. Diamant. Architect & Building News, 229 (22 Jun 66) p.1140-1. il.

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FLATS, Prefabrication, Wates system

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FLATS, Prefabrication, Willett system

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New refuse compression system at Wandsworth flats [Deva] Public Cleansing, 56 (Oct 66) p.496-7. il.

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Gas helps to solve the refuse disposal problem [Refumatic: Downson & Mason Ltd.] Gas J., 325 (2 Feb 66) p.24-7. il.

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FLATS, Southampton

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FLATS, Southwark

Fast and cheap construction. Contract J., 213 (15 Sep 66) p.266-7. il.

First contract for new rationalised system: high-rise blocks in South London. Industrialised Building, 3 (Oct 66) p.32+. il.

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FLATS, Walls, Cutting, Saws, Diamond impregnated

Sawing to stop cracking. P. Daniel. Industrial Diamond Rev., 26 (Feb 66) p.72-3. il.

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Gay Street housing scheme. Building, 211 (19 Aug 66) p.89-90. il.

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Windows: flats in Pihlajamaki, Helsinki, Finland. Architects' J., 143 (23 Feb 66) p.545-6. il.

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Mansion site redevelopment at Wightwick Bank, Wolverhampton. Building, 210 (1 Apr 66) p.81-4. il.

FLATTED FACTORIES. See FACTORIES, Flatted

FLATTENED ZONES, Nuclear reactors. See NUCLEAR REACTORS, Flattened zones

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FLAVENES, Oxidation, Quinones

Quinone oxidation of flavenes and flavan-3,4-diols. L. Jurd. Chemistry & Industry (1 Oct 66) p.1683-4.

FLAVONES

Related Headings:

FLAVAN-3,4-DIOLS
FLAVYLIUM SALTS

FLAVONES, Tannins, Wines. See WINES, Tannins, Flavones

FLAVOUR, Reversion, Soya bean oil. See SOYA BEANS, Oil, Flavour reversion

FLAVOURING, Meat products. See MEAT, Products, Flavouring

FLAVOURING MATERIALS, Food. See FOOD, Flavouring materials

FLAVOURS, Food. See FOOD, Flavours

FLAVOURS, Fruit. See FRUIT, Flavours

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FLAWS, Surfaces, Glass. See GLASS, Surfaces, Flaws

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Fleet Air Arm. Sir Matthew Slattery. J. of R. Aeronautical Soc., 70 (Jan 66) p.208-11. il.

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FLEXIBLE EDGE STIFFENERS, Web plates, Girders. See GIRDERS, Plates, Web, Stiffeners, Edge, Flexible

FLEXIBLE LININGS, Tunnels. See TUNNELS, Linings, Flexible

FLEXIBLE ROADS. See ROADS, Flexible

FLEXIBLE SHAFT ROTORS. See ROTORS (Shafts, Flexible)

FLEXIBLE SHAFTS. See SHAFTS, Flexible

FLEXIBLE TANKS, Ships. See SHIPS, Tanks, Flexible

FLEXIBLE TUBES. See TUBES, Flexible

FLEXIBLE WALLS, Effect on turbulent boundary layer. See BOUNDARY LAYER, Turbulent, Effect of flexible walls

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FLEXURAL VIBRATIONS, Stiffened circular cylindrical shells. See SHELLS, Cylindrical, Circular, Stiffened, Vibrations, Flexural

FLIES, Pests, Food processing. See FOOD, Processing, Flies

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Fail safe: design and operation of a mechanical decoupling unit in an aircraft actuator torque limiter. Engng. Designer (Oct 66) p.10-12. il.

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FLUID COUPLINGS. See COUPLINGS, Fluid

FLUID DIODES. See DIODES, Fluid

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- GASES
- LIQUIDS

FLUIDS, Cutting. See CUTTING FLUIDS

FLUIDS, Distribution
Related Headings:
- HOSES
- PIPELINES
- PIPES
- PIPEWORK
- PUMPING
- PUMPS
- SIPHONS
- VALVES

FLUIDS, Flow
Related Headings:
- AERODYNAMICS
- BOUNDARY LAYER
- CAVITATION
- COUETTE FLOW
- DRAG
- ENTRAINMENT
- GAS FLOW
- JETS
- LIQUIDS, Flow
- MOLECULAR FLOW
- SHEAR FLOW
- SKIN FRICTION
- SPRAYS
- STOKES FLOW
- VISCOUS FLOW
- VORTICES
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FLUIDS, Flow, Accelerated, Impellers, Pumps. See PUMPS, Impellers, Flow, Accelerated

FLUIDS, Flow, Axisymmetric cones. See CONES, Axisymmetric, Flow

FLUIDS, Flow, Blunt Bodies. See BLUNT BODIES, Flow

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FLUIDS, Flow, Channels. See CHANNELS, Flow

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FLUIDS, Flow, Conical diffusers. See DIFFUSERS, Conical, Fluids, Flow

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- PITOT TUBES

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FLUIDS, Flow, Package dyeing, Yarns. See YARNS, Dyeing, Package, Fluid flow

FLUIDS, Flow, Packed beds. See PACKED BEDS, Fluid flow

FLUIDS, Flow, Pipes. See PIPES, Flow

FLUIDS, Flow, Plate columns. See PLATE COLUMNS, Flow

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FLUIDS, Flow, Selective permeation. See PERMEATION, Selective, Flow

FLUIDS, Flow, Supersonic
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- PRANDTL–MEYER FLOW

FLUIDS, Flow, Supersonic, Blunt bodies. See BLUNT BODIES, Flow, Supersonic

FLUIDS, Flow Supersonic, Cascade blades, Turbines. See TURBINES, Blades, Cascade, Flow, Supersonic

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FLUIDS, Flow, Turbines. See TURBINES, Flow

FLUIDS, Flow, Twisted tapes, Inserts, Pipes. See PIPES, Inserts, Tapes, Twisted, Flow

FLUIDS, Flow, Ultrafiltration. See ULTRAFILTRATION, Flow

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FLUORESCENCE, Neodymium, Doped glass, Lasers. See LASERS, Glass, Doped, Neodymium, Fluorescence

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FLUORESCENCE, Sodium salicylate. See SODIUM SALICYLATE, Fluorescence

FLUORESCENCE, Spectroscopy. See SPECTROSCOPY, Fluorescence

FLUORESCENCE, Spectroscopy, Hydrocarbons. See HYDROCARBONS, Fluorescence spectroscopy

FLUORESCENCE, Trivalent molybdenum, Doped boroaluminophosphate glass. See GLASS, Boroaluminophosphate, Doped, Molybdenum, Trivalent, Fluorescence

FLUORESCENCE, X-ray excited. See X-RAYS, Fluorescence

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FLUORESCENCE, X-ray excited, Spectroscopy, Electrode materials, Arc welding. See WELDING, Arc, Electrodes, Materials, Spectroscopy, X-ray fluorescence

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FLUORESCENT DYES, Textiles. See TEXTILES, Dyes, Fluorescent

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FLUORIDATION, Water supplies. See WATER, Supplies, Fluoridation

FLUORIDES, Activators, Dodecylamine, Collectors, Flotation, Felspar. See FELSPAR, Flotation, Collectors, Dodecylamine, Activators, Fluorides

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FLUOROCARBONS, Resins

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FLUX, Magnetic, Air gaps, Electrical machinery. See ELECTRICAL MACHINERY, Air gaps, Magnetic flux

FLUX, Neutrons, Correlation with two group theory, Neutron diffusion, Swimming pool nuclear reactors. See NUCLEAR REACTORS, Swimming pool, Neutron diffusion, Two group theory, Correlation with neutron flux

FLUX, Neutrons, Nuclear reactors. See NUCLEAR REACTORS, Neutrons, Flux

FLUX BATHS, Brazing, Aluminium. See ALUMINIUM, Brazing, Flux bath

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LANDING
TAKING-OFF

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FOAM LATEX, Nitrile isoprene rubber. See NITRILE ISOPRENE RUBBER, Latex, Expanded
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FOAM SEPARATION, Strontium. See STRONTIUM, Foam separation

FOAMBACK CARPETS. See CARPETS, Foamback
FOAMBACK CLOTHING. See CLOTHING, Foambacks
FOAMBACK FABRICS. See FABRICS, Foamback
FOAMED ACRYLONITRILE–BUTADIENE–STYRENE, Bodies, Motor cars. See MOTOR CARS, Bodies, Acrylonitrile–Butadiene–Styrene, Expanded
FOAMED GLASS. See GLASS, Expanded
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FOAMED PLASTICS. See PLASTICS, Expanded
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FOAMED POLYURETHANE, Adhesives, P.V.C. panels, Buildings. See BUILDINGS, Panels, P.V.C., Adhesives, Polyurethane, Expanded
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FOAMED POLYURETHANE, Thermal insulation, Stern trawlers. See TRAWLERS (Stern) Insulation, Thermal, Polyurethane, Expanded
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FOIL, Resistance strain gauges, Steel, Cylindrical shells. See SHELLS, Cylindrical, Steel, Strain gauges, Resistance, Foil

FOIL, Silver, Flux measurement, Neutrons, Nuclear reactors. See NUCLEAR REACTORS, Neutrons, Flux, Measurement, Foil, Silver

FOIL, Steel, Manufactures, Polishing, Electrolytic
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FOKKER F-28 FELLOWSHIP AIRCRAFT. See AIRCRAFT, Types, Fokker F-28 Fellowship

FOLDED PLATES, Conical hexagonal roofs, Housing. See HOUSING, Roofs, Hexagonal, Conical, Plates, Folded

FOLDED PLATES, Roofs, University buildings. See UNIVERSITY BUILDINGS, Roofs, Plates, Folded

FOLDED SHEETS, P.V.C., Cladding, Buildings. See BUILDINGS, Cladding, Sheets, Folded, P.V.C.

FOLDING, Cartons. See CARTONS, Folding

FOLDING MASTS, Beam aerials, H.F. radio. See RADIO, H.F., Aerials, Beam, Masts, Folding

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TOWN PLANNING, Folkestone

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FOOD
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- ALGAE
- BAKERIES
- BAKERY PRODUCTS
- CASSAVA
- CHICK-PEAS
- CUSTARD
- DAIRY INDUSTRY
- DESSERTS
- EGGS
- FISH
- FRUIT
- GRAIN
- GROCERIES
- ICE CREAM
- MACARONI
- MALT
- MARGARINE
- MEAT
- MILK
- NUT FOOD
- OILS, Edible
- POULTRY
- PUDDINGS
- SOUPS
- SOYA BEANS
- SUGAR
- SUGARS
- SWEETS
- VEGETABLES
- VITAMINS
- YEAST, Food products

FOOD–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular countries
  - *Lebanon*

- *Research*

FOOD–SUBHEADINGS–Synopsis–cont.

- *Standards*

- Problems
  - *Hygiene*
    - *Toxicity*
  - *Browning*

- Properties
  - *Colour*
  - *Flavours*

- Technical activities
  - Analysis
    - *Determination of....*
  - *Inspection*
  - *Processing*
    - *Cutting*
    - *Dicing*
    - *Mincing*
    - *Mixing*
    - *Preservation*
      - *Freezing*
      - *Freeze-drying*
    - Evaporation
      - *Evaporators*
      - Drying
        - *Dryers*
    - Mechanical handling
      - *Conveyors*
    - *Packaging*
      - *Containers*
        - *Barrels*
        - *Bottles*
      - *Labelling*
        - *Labels*
      - *Canning*
        - *Cans*
      - *Aerosols*
    - *Weighing machines*
    - *Storage*
  - *Transport*
  - Distribution
    - *Shops*

- *Constituents*
  - *Trace elements*
  - *Additives*
  - *Preservatives*
    - *Sweeteners*
  - *Colouring agents*

- Types of food
  - *Liquid*
  - *Canned*
  - *Frozen*

  - *Snacks*

  - *Baby*

- *Waste*

FOOD, Additives, Safety
Safety testing of food additives. I. F. Gaunt. Food Trade Rev., 36 (Jan 66) p.45-7

FOOD, Aerosols, United States
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FOOD (Baby)
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FOOD (Baby) Processing
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Rigid p.v.c. bottles for food. Food Processing & Marketing, 35 (May 66) p.177-182. il.

FOOD, Browning, Non-enzymic, Inhibitors, Salts
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FOOD, Cans, Blow moulding
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Food packaging in metal: summary of "Packaging, transporting and handling of open top cans" (contd.) R. H. Morewood. Tin-Printer & Box Maker, 42 (Feb 66) p.6-7

FOOD, Cans, Open top, Transport, Faults
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FOOD, Colouring agents
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CARAMEL

FOOD, Colouring agents, Annatto
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FOOD, Colouring agents, Anthocyanins
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FULHAM

See

HOSPITALS, Hammersmith, Fulham

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FUME CONCENTRATES, Ores, Lead. See LEAD, Ores, Concentrates, Fume

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FUMES, Papermaking. See PAPERMAKING, Fumes
FUMES, Steel production. See STEEL, Production, Fumes
FUMIGATION, Lice, Bedding. See BEDDING, Lice, Fumigation
FUMIGATION, Lice, Clothing. See CLOTHING, Lice, Fumigation
FUMIGATION, Pests, Food processing. See FOOD, Processing, Pests, Fumigation
FUMIGATION, Pests, Storage, Food. See FOOD, Storage, Pests, Fumigation
FUMIGATION, Ships. See SHIPS, Fumigation
FUNCTION GENERATORS
Related Headings:
INTERPOLATORS
FUNCTION GENERATORS, Hybrid computers, Sine–cosine function solution. See SINE–COSINE FUNCTIONS, Solution, Computers, Hybrid, Function generators
FUNCTIONALS, Linear electrical networks analysis. See NETWORKS, Electrical, Linear, Analysis, Functionals

FUNCTIONS, Constrained optimisation
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Related Headings:
CREMATORIA
TOMBS
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Related Headings:
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FUNGI, Pests, Housing. See HOUSING, Fungi infested
FUNGI, Wood. See WOOD, Fungi
FUNGICIDAL PAINT. See PAINT, Fungicidal
FUNGICIDES
Related Headings:
DITHIOCARBAMATES, Fungicides
1,2,4,5-TETRACHLORO-3-NITROBENZENE
2,4,6 TRICHLOROPHENOL
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FUNGICIDES, Cotton duck, Fabrics. See FABRICS, Duck, Cotton, Fungicides

FUR, Dyeing, Differential
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FUR, Dyeing, Disperse dyes
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FUR, Dyeing, Reactive dyes
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FURNACES
Related Headings:
CUPOLAS

FURNACES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Research

Problems
Corrosion

Technical activities
Manufactures

Components
Refractories

Instruments
Thermocouples

Kinds of furnace
Anthracite fired
Gas fired
Oil fired
Electric
Infra-red
Gravity flow
Blast
Open hearth

Applications
Boilers

FURNACES, Anthracite fired, Combustion
Relationship between the unburnt carbon loss and the combustion conditions in an anthracite-fired furnace. T. J. Peirce. J. of Inst. of Fuel, 39 (Nov 66) p.478-81
FURNACES, Arc, Killed cast steel production. See STEEL, Cast, Killed, Production, Furnaces, Arc
FURNACES, Arc, Rimming steel production. See STEEL, Rimming, Production, Furnaces, Arc
FURNACES, Arc, Steel production. See STEEL, Production, Furnaces, Arc
FURNACES, Arc, Vacuum purification, Liquid steel. See STEEL, Liquid, Purification, Vacuum, Furnaces, Arc
FURNACES, Arc, Voltage fluctuations. See VOLTAGE, Fluctuations, Arc furnaces

FURNACES, Blast
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FURNACES, Blast, Charcoal fired

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FURNACES, Blast, Charges, Mixing, Programming, Separable

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FURNACES, Blast, Coed Ithel

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FURNACES, Blast, Gas, Enrichment, Light petroleum distillates

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Use of naphtha for blast furnace gas enrichment. H. B. Lloyd, C. G. Miles & F. H. Dawes. J. of Iron & Steel Inst., 204 (Mar 66) p.203-7. il. ref.

FURNACES, Blast, Lead production. See LEAD, Production, Blast furnaces

FURNACES, Blast, Refractories, Porosity

"Its's so obvious". J. Mackenzie. Refractories J. (Apr 66) p.132+. il.

FURNACES, Blast, Skip hoists, Ropes, Wire, Lubrication

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FURNACES, Blast, Slags, Glass–Ceramics production. See GLASS–CERAMICS, Production, Blast furnace slags

FURNACES, Blast, Tuyeres, Fuel oil injection

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FURNACES (Boilers) Research, Models

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FURNACES, Carburising. See CARBURISING, Furnaces

FURNACES, Components, Chromium–Nickel

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FURNACES, Corrosion, Fuels, Ash

Cast chromium-nickel alloys resist furnace fuel ash corrosion. Steam & Heating Engr., 35 (Jan 66) p.18-21. il.

FURNACES, Cyclone, Boilers, Paper board container manufacturers. See CONTAINERS, Board, Manufacturers, Boilers, Furnaces, Cyclone

FURNACES, Cyclone, Boilers, Power stations. See POWER STATIONS, Boilers, Furnaces, Cyclone

FURNACES, Cyclone, Boilers, Wood furniture manufactures. See FURNITURE, Wood, Manufactures, Boilers, Furnaces, Cyclone

FURNACES, Electric

Improved small high temperature electric resistance furnace. G. Arthur & J. H. Priest. J. of Scientific Instruments, 43 (Jun 66) p.364-6. il. refs.

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FURNACES, Electric, Elements, Silicon carbide, Impregnation, Metals

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FURNACES, Electric, Heating, Billets. See BILLETS, Heating, Furnaces, Electric

FURNACES, Electric, Temperature control, Switching circuits, Rectifiers, Silicon controlled

'Monaloop' temperature controller. E. Crabtree. A.E.I. Engng., 6 (May/Jun 66) p.126-8. il.

FURNACES, Electrical resistivity determination, Liquid metals. See METALS, Liquid, Electrical resistivity, Determination, Furnaces

FURNACES, Forging. See FORGING, Furnaces

FURNACES, Fuel–Oxygen–Scrap process, Steel production. See STEEL, Production, Fuel–Oxygen–Scrap process, Furnaces

FURNACES, Gas-fired

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'Luminous wall' furnace—a revolution [Maywick Appliances Ltd.] Fuel Efficiency, 14 (May 66) p.8-9. il.

"Luminous wall" furnace [Holden] Design & Components in Engng. (23 Jun 66) p.27-8. il.

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FURNACES, Gas-fired, Bending, Metals, Pipes. See PIPES, Metal, Bending, Furnaces, Gas-fired

FURNACES, Gas-fired, Carburising, Transmissions, Motor cars. See MOTOR CARS, Transmissions, Carburising, Furnaces, Gas-fired

FURNACES, Gas-fired, Control systems

Control equipment for industrial furnaces. F. C. Forder. Gas J., 327 (6 Jul 66) suppt. p.144-6. il.

FURNACES, Gas-fired, Forging, Steel. See STEEL, Forging, Furnaces, Gas-fired

FURNACES, Gas-fired, Heat treatment, Forgings, Steel. See STEEL, Forgings, Heat treatment, Furnaces, Gas fired

FURNACES, Gas fired, Heat treatment, Steel, Wires. See WIRES, Steel, Heat treatment, Furnaces, Gás-fired

FURNACES, Gas-fired, Melting, Casting, Blackheart malleable iron. See IRON, Malleable, Blackheart, Casting, Melting, Furnaces, Gas-fired

FURNACES, Gas-fired, Melting, Die-casting, Aluminium. See ALUMINIUM, Die-casting, Melting, Furnaces, Gas-fired

FURNACES, Gas-fired, Naval dockyards. See DOCKYARDS, Naval, Furnaces, Gas-fired

FURNACES, Gas-fired, Radiant tubes, Heat exchangers

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FURNACES, Gas-fired, Vacuum annealing, Copper, Wires. See WIRES, Copper, Annealing, Vacuum, Furnaces, Gas-fired

FURNACES, Gravity flow

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FURNACES, Heat treatment. See HEAT, Treatment, Furnaces

FURNACES, Heat treatment, Glass. See GLASS, Heat treatment, Furnaces

FURNACES, Heat treatment, Steel tools. See TOOLS, Steel, Heat treatment, Furnaces

FURNACES, Heat treatment, Welded steel, Chains. See CHAINS, Steel, Welded, Heat treatment, Furnaces

FURNACES, Induction, Melting. See MELTING, Furnaces, Induction

FURNACES, Induction, Melting, Cast iron. See IRON, Cast, Melting, Furnaces, Induction

FURNACES, Induction, Melting, Cast steel. See STEEL, Cast, Melting, Furnaces, Induction

FURNACES, Induction, Vacuum melting, Nickel alloys. See NICKEL, Alloys, Melting, Vacuum, Furnaces, Induction

FURNACES, Induction, Vacuum melting, Steel. See STEEL, Melting, Vacuum, Furnaces, Induction

FURNACES, Infra-red
Infra-red radiation furnace [Hyflux] Metal Treatment, 33 (Jul 66) p.269-70. il.

FURNACES, Infra-red, Steel production. See STEEL, Production, Furnaces, Infra-red radiation

FURNACES, Iron production. See IRON, Production, Furnaces

FURNACES, Kaldo, Oxygen process, Steel production. See STEEL, Production, Oxygen process, Kaldo, Furnaces

FURNACES, LD, Steel production. See STEEL, Production, Oxygen process, LD, Furnaces

FURNACES, Manufactures
Suppliers to the industry: Modern Furnaces & Stoves, Limited. Foundry Trade J., 121 (24 Nov 66) p.689-91. il.

FURNACES, Melting, Aluminium. See ALUMINIUM, Melting, Furnaces

FURNACES, Melting, Copper alloys. See COPPER, Alloys, Melting, Furnaces

FURNACES, Melting, Glass. See GLASS, Melting, Tanks

FURNACES, Oil fired, Components, Chromium–Nickel, Corrosion, Resistance
Nickel–chromium alloys with 30 to 60 per cent chromium in relation to their resistance to corrosion by flue-ash deposits. Pt. 1: corrosion resistance. H. Lewis. J. of Inst. of Fuel, 39 (Jan 66) p.8-13. il. refs.

FURNACES, Oil fired, Components, Chromium–Nickel, Mechanical properties
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FURNACES, Oil-fired, Flow failure protection
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FURNACES, Oil-fired, Heating, Steel alloys, Billets. See BILLETS, Steel, Alloy, Heating, Furnaces, Oil-fired

FURNACES, Oil-fired, Iron production. See IRON, Production, Furnaces, Oil-fired

FURNACES, Oil-fired, Melting, Iron. See IRON, Melting, Furnaces, Oil-fired

FURNACES, Oil-fired, Sulphur trioxide, Inhibitors
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FURNACES, Open hearth, Roofs, Refractories
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FURNACES, Oxygen process, Steel production. See STEEL, Production, Oxygen process, Furnaces

FURNACES, Plasma jet, Melting. See MELTING, Furnaces, Plasma jet

FURNACES, Reforming, Hydrocarbons, Town gas production. See GAS (Town) Production, Hydrocarbons, Reforming, Furnaces

FURNACES, Refractories
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GAS-HOLDERS
SYNTHESIS GAS
WATER GAS

GAS (TOWN)–SUBHEADINGS–*Synopsis*

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
    - *New towns*
    - *Wales*
    - *Scotland*
  - *Northern Ireland*
  - Europe
    - *West Germany*
    - *Scandinavia*
  - *Russia*
  - Asia
    - *Japan*

GAS (TOWN)–SUBHEADINGS–Synopsis–cont.

- Particular localities–cont.
  - *Australia*

- *Education*
- *Research*

- Properties
  - *Combustion*
    - *Soot*
  - *Wobbe index*
  - *Microbiology*

- Technical activities
  - *Analysis*
  - *Calorimetry*
  - *Production*
    - *Purification*
    - *Supplementation*
  - *Storage*
  - *Distribution*
    - *Pipes*
      - *Mains*
      - *Pipelines*
    - *Meters*

- *Constituents*

- *Equipment*
  - *Appliances*
  - *Burners*

- *Consumption*

GAS (Town) Air conditioning plant. See AIR CONDITIONING, Plant, Gas operated

GAS (Town) Air heating. See AIR HEATING, Gas-fired

GAS (Town) Analysis, Gas chromatography
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GAS (Town) Appliances
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GAS (Town) Appliances, Manufactures
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GAS (Town) Burners, Lamp manufactures, Motor cars. See MOTOR CARS, Lamps, Manufactures, Town gas, Burners

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GAS (Town) Catering equipment. See CATERING, Equipment, Gas-fired

GAS (Town) Central heating. See BUILDINGS, Heating, Central, Gas

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GAS (Town) Equipment, Conversion to natural gas fired equipment, Heating, Refractory metals production. See METALS, Refractory, Production, Heating, Natural gas fired, Equipment, Conversion from town gas equipment

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GAS (Town) Furnaces, Forging, Steel. See STEEL, Forging, Furnaces, Gas-fired

GAS (Town) Furnaces, Heat treatment, Forgings, Steel. See STEEL, Forgings, Heat treatment, Furnaces, Gas fired

GAS (Town) Furnaces, Heat treatment, Steel, Wires. See WIRES, Steel, Heat treatment, Furnaces, Gas-fired

GAS (Town) Furnaces, Melting, Casting, Blackheart malleable iron. See IRON, Malleable, Blackheart, Casting, Melting, Furnaces, Gas-fired

GAS (Town) Furnaces, Melting, Die-casting, Aluminium. See ALUMINIUM, Die-casting, Melting, Furnaces, Gas-fired

GAS (Town) Furnaces, Naval dockyards. See DOCKYARDS, Naval, Furnaces, Gas-fired

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GAS (Town) Heating, Buildings. See BUILDINGS, Heating, Gas

GAS (Town) Heating, Drying, Inks, Offset lithography. See LITHOGRAPHY, Offset, Inks, Drying, Heating, Gas-fired

GAS (Town) Heating, Factories. See FACTORIES, Heating, Gas-fired

GAS (Town) Heating, Foundry practice. See FOUNDRY PRACTICE, Heating, Gas-fired

GAS (Town) Heating, Glazed pottery manufactures. See POTTERY, Glazed, Manufactures, Heating, Gas-fired

GAS (Town) Heating, Hot dip galvanising. See GALVANISING, Hot dip, Heating, Gas fired

GAS (Town) Heating, Houses. See HOUSES, Heating, Gas

GAS (Town) Heating, Housing. See HOUSING, Heating, Gas

GAS (Town) Heating, Motor car manufactures. See MOTOR CARS, Manufactures, Heating, Gas fired

GAS (Town) Heating, Prefabricated housing. See HOUSING, Prefabrication, Heating, Gas

GAS (Town) Heating, Steel production. See STEEL, Production, Heating, Gas-fired

GAS (Town) Heating, Stoving, Paint, Bodies, Motor cars. See MOTOR CARS, Bodies, Paint, Stoving, Heating, Gas-fired

GAS (Town) Heating, Water. See WATER, Heating, Gas

GAS (Town) Household appliances. See HOUSEHOLD APPLIANCES, Gas-fired

GAS (Town) Incinerators, Refuse, Flats. See FLATS, Refuse incinerators, Gas-fired

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GAS (Town) Mains

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GAS-LIQUID CHROMATOGRAPHY, Distillation columns, Propane production. See PROPANE, Production, Distillation columns, Chromatography, Gas-Liquid

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GAS-LIQUID CHROMATOGRAPHY, Trimethylsilyl derivatives, Sugar determination, Worts, Brewing. See BREWING, Worts, Determination of sugars, Trimethylsilyl derivatives, Gas-Liquid chromatography

GAS-LIQUID-SOLID, Fluidised beds. See FLUIDISED BEDS, Gas-liquid-solid

GAS-LIQUID SYSTEMS
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BUBBLES
DROPLETS
DROPS
FOAM

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GAS SHIELDED ARC WELDING, Engine components, Aircraft. See AIRCRAFT, Engines, Components, Welding, Arc, Gas shielded

GAS SHIELDED ARC WELDING, Steel alloys. See STEEL, Alloys, Welding, Arc, Gas shielded

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AEROSOLS

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GAS TURBINE DESTROYERS. See DESTROYERS (Gas turbine)
GAS TURBINE–ELECTRIC MACHINERY, Drilling, Petroleum. See PETROLEUM, Drilling, Machinery, Gas turbine–Electric
GAS TURBINE LIGHT AIRCRAFT. See AIRCRAFT (Light) Gas turbine
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GAS TURBINE TRAINS. See TRAINS, Gas turbine

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GAS TURBINES
Related Headings:
LIFT ENGINES
TURBOFANS
TURBOJETS

GAS TURBINES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Technical activities
  - *Manufactures*
- Components
  - *Blades*
- Applications
  - Vehicles
    - *Aircraft*
    - *Hovercraft*
    - *Ships*
      - *Warships*
        - *Frigates*
      - *Patrol boats*
    - *Motor vehicles*
      - *Motor cars*
      - *Lorries*
  - Electric power generation
    - *Alternators*
    - *Nuclear power stations*

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What's in a name [Rolls-Royce] E.W. Whitaker. Tech Air, 22 (Aug 66) p.17-18. il.

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TURBOJETS

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GAS TURBINES, Lorries

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GAS TURBINES, Mobile, Alternators. See ALTERNATORS, Gas turbines, Mobile

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GASES

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- VAPOUR
- VAPOUR PRESSURE
- VAPOURS

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GASES, Evolution, Thermal decomposition, Coal. See COAL, Thermal decomposition, Gas evolution

GASES, Fission products, Irradiation, Fuels, Fast nuclear reactors. See NUCLEAR REACTORS, Fast, Fuels, Irradiation, Fission products, Gases

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GASES, Inert

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ARGON
HELIUM
KRYPTON
NEON
RADON
XENON

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AIR SEPARATION

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GASES, Residual, Microwave tubes. See ELECTRON TUBES (Microwave) Residual gases

GASES, Residual, Vacuum. See VACUUM, Residual gases

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GASKETS, Vacuum equipment. See VACUUM, Equipment, Gaskets

GASOLINE. See PETROL

GASOMETERS. See GAS-HOLDERS

GASSING, Insulating oils. See INSULATING OILS, Gassing

GATE CIRCUITS, Counters. See COUNTERS, Circuits, Gate

GATE CIRCUITS, Ferrite cores, Storage units, Computers. See COMPUTERS, Storage units, Ferrite cores, Gate circuits

GATE CIRCUITS, Integrators, Analogue computers. See COMPUTERS, Analogue, Integrators, Gate circuits

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GELS

Related Headings:

THIXOTROPY

GELS, Ammonium oleate, Soap. See SOAP, Ammonium oleate, Gels

GELS, Cosmetics. See COSMETICS, Gels

GELS, Dextran. See DEXTRAN, Gels

GELS, Nitration, Chemical pulp. See PULP, Chemical, Nitration, Gels

GELS, Polyacrylamide, Electrophoresis, Protein. See PROTEIN, Electrophoresis, Polyacrylamide gel

GELS, Potassium oleate, Soap. See SOAP, Potassium oleate, Gels

GELS, Silica, Adsorbents, Thin layer chromatography, Steroids. See STEROIDS, Chromatography, Thin layer, Adsorbents, Silica gel

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GENERATORS, R.F. heating, Curing, Adhesives, Wood manufactures. See WOOD, Manufactures, Adhesives, Curing, Heating, R.F., Generators

GENERATORS, Random noise. See NOISE, Electrical, Random, Generators

GENERATORS, Random L.F. noise. See NOISE, Electrical, L.F., Random, Generators

GENERATORS, Signals. See SIGNALS, Generators

GENERATORS, Signals, Adaptive control systems. See CONTROL SYSTEMS, Adaptive, Signal generators

GENERATORS, Signals, Potentiostat studies. See POTENTIOSTATS, Studies, Signal generators

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GENERATORS, Waveforms, Colour television testing. See TELEVISION, Colour, Testing, Waveforms, Generators

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BATTELLE LABORATORIES, Geneva
SEWAGE, Treatment, Geneva

GEOCHEMICAL PROSPECTING. See PROSPECTING, Geochemical

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GERMANY
See
AGRICULTURAL MACHINERY, East Germany
AIR TRANSPORT, West Germany
ARCHITECTURE, Dusseldorf
ART GALLERIES, Bielefeld
BREWING, West Germany

GERMANY
See—*cont.*
- BUSES, Stations, Hamburg
- CARGOES, Handling, Ports, Hamburg
- CHEMICAL TECHNOLOGY, West Germany
- CHURCHES, Frankfurt-am-Main
- CHURCHES, Neustadt
- COAL, Mining, Shearer loaders, West Germany
- CONCRETE, Precast, Manufactures, Machines, West Germany
- DAIRY INDUSTRY, West Germany
- DISTRICT HEATING, West Germany
- ELECTRIC POWER SYSTEMS, Insulators, Porcelain, Manufactures, East Germany
- ELECTRONICS, Components, West Germany
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- EURO CENTRE PAPER
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- GAS (Town) West Germany
- INDUSTRIAL RESEARCH, West Germany
- KARLSRUHE. Technische Hochschule
- KNITTING, Industry, East Germany
- LOCOMOTIVES, Diesel-hydraulic, East Germany
- LOCOMOTIVES, Diesel-hydraulic, West Germany
- LUBRICATION, Research, West Germany
- MALT, Production, West Germany
- MECHANICAL ENGINEERING, East Germany
- MOTOR CARS, Manufactures, West Germany
- NUCLEAR ENERGY, Research, Buildings, Julich
- NUCLEAR POWER STATIONS, Gundremmingen
- NUCLEAR REACTORS, Fast, West Germany
- PHOTOENGRAVING, West Germany
- PHOTOGRAVURE, Germany
- QUARRYING, Equipment, West Germany
- RAILWAYS, Electric, Dresden
- RAILWAYS, West Germany
- SHIPS, Pumps, Manufactures, Germany
- SIEMENS-SCHUCKERTWERKE A.G., Forschungszentrum, Erlangen
- STEEL, Terminology, Germany
- STRUCTURES, Concrete, Precast, West Germany
- TECHNICAL EDUCATION, Adult, West Germany
- TECHNICAL EDUCATION, East Germany
- TECHNOLOGY, Rhine—Main District
- TECHNOLOGY, West Germany
- TOWN PLANNING, Frankfurt-am-Main
- TOWN PLANNING, Hamburg
- TRAMCARS, Freiberg
- TRAMWAYS, Mainz
- TRAMWAYS, Mannheim
- TRAMWAYS, Mannheim—Bad Durkheim
- TRAMWAYS, Mannheim—Heidelberg
- TRAMWAYS, Mannheim-Ludwigshafen
- TRAMWAYS, Museums, Hamburg
- TRAMWAYS, Museums, Leipzig
- TRAMWAYS, Wiesbaden
- ULM. STAATLICHE INGENIEURSCHULE

GHANA
See
- KWAME NKRUMAH UNIVERSITY OF SCIENCE & TECHNOLOGY
- VILLAGE PLANNING, Ghana

GHOSTING, Printing. See PRINTING, Ghosting

GIBBERELLIC ACID, Effect on malt production. See MALT, Production, Effect of gibberellic acid

GIBBS—DUHEM EQUATION, Binary mixtures, Liquids. See LIQUIDS, Mixtures, Binary, Gibbs—Duhem equation

GILLINGHAM (Kent)
See
- TOWN PLANNING, Gillingham (Kent)

GIMBALS, Boosters, Astronautics vehicles. See ASTRONAUTICS, Vehicles, Boosters, Gimbals

GIMBALS, Flight simulators, Astronautics. See ASTRONAUTICS, Flights, Manned, Simulators, Gimbals

GIMBALS, Gyroscopes
Survey of low-torque gyroscope gimbal suspensions. B. T. Trayner. Instn. of Mechanical Engrs. Proc., 179 pt.3E (1964/65) p.38-51. il. refs.

GIMBALS (Gyroscopes) Misalignment
Dynamics of a gyroscope having oblique gimbal axes. J. Crawley & L. Maunder. J. of Mechanical Engng. Science, 8 (Sep 66) p 294-9. il. refs.

GIN, Distilleries
Latest stage in Burrough's expansion programme. Brewing Trade Rev., 80 (Jun 66) p.426-7. il.

GINGERGRASS OIL, L-*trans para*-Menthadien-ol-2 production. See L-*trans para*-MENTHADIEN-OL-2, Production, Gingergrass oil

GIRDER BRIDGES, Railways. See RAILWAYS, Bridges, Girder

GIRDERS (Bridges) Box, Torsion, Testing
Twisting of thin-walled box girders. B. Richmond. Instn. of Civil Engrs. Proc.,33 (Apr 66) p.659-75. il. refs.

GIRDERS, Cranes, Steel production. See STEEL, Production, Cranes, Girders

GIRDERS, Plates, Web, Stiffeners, Edge, Flexible
Deformation of rectangular slender webplates with boundary members flexible in the webplate plane. J. Djubek. Aeronautical Q., 17 (Nov 66) p.371-94. il. refs.

GIRDERS, Steel, Prestressed
Prestressing of steel girders. D.W. Knee. Structural Engr., 44 (Oct 66) p.351-3. il. refs.

GLACIERS, Aerial surveys, Photography, Air, Colour
Comparison of aerial films in the study of the Breidamerkur glacier area, Iceland. R. Welch. Photogrammetric Record, 5 (Oct 66) p.289-306. il. refs.

GLADSAXE
See
- HOUSING, Gladsaxe

GLARE, Headlights, Effect on night driving, Motor vehicles. See MOTOR VEHICLES, Driving, Night, Effect of headlight glare

GLARE, Lanterns, Lighting, Streets. See STREETS, Lighting, Lanterns, Glare

GLARE, Street lighting, Effect on night driving, Motor vehicles. See MOTOR VEHICLES, Driving, Night, Effect of street lighting, Glare

GLASGOW
See
- AIRPORTS, Glasgow
- AIRPORTS, Terminal buildings, Abbotsinch
- MOTORWAYS, Glasgow
- RAILWAYS, Underground, Narrow gauge, Glasgow
- ROADS, Glasgow
- ROADS, Town planning, Glasgow
- SANITATION, Municipal, Glasgow
- STRATHCLYDE. UNIVERSITY
- STREETS, Lighting, Glasgow
- TOWN PLANNING, Glasgow
- TRANSPORT, Public, Glasgow

GLASS
Expanding world of glass. G. W. McLellan. Discovery, 27 (May 66) p.36-40. il.

Glasses and time. R. W. Douglas. Brit. J. of Applied Physics, 17 (Apr 66) p.435-48. il. refs.

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GLASS
Related Headings:
- ENAMELS
- SHEFFIELD. UNIVERSITY. DEPARTMENT OF GLASS TECHNOLOGY
- SILICA, Fused

GLASS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Research

- *Archaeology*

- Properties
  - *Surfaces*
  - *Homogeneity*
  - Strength
    - *Fracture*
  - *Friction*
  - *Spectroscopy*
  - *Ion bombardment*
  - Chemistry
    - *Chemical resistance*
    - *Manganous ions*

- Technical activities
  - *Manufactures*
    - *Melting*
    - *Heat treatment*
    - *Machining*
      - *Drilling*
    - *Sawing*
  - *Storage*

- Kinds of glass
  - *Molten*
  - *Amber*
  - By process
    - *Expanded*
    - *Toughened*
    - *Surface crystallised*
  - By material
    - *Silica*
    - *Borosilicate*
    - *Sodium borosilicate*
    - *Lithium borosilicate*
    - *Alkali silicate*
    - *Sodium silicate*
    - *Silica–Sodium disilicate*
    - *Soda-Lime-Silica*
    - *Sodium aluminosilicate*
    - *Alkaline earth aluminosilicate*
    - *Sodium titanium silicate*
    - *Lithia–Silica*
    - *Caesium silicate*
    - *Lead crystal*
    - Borate
      - *Alkali borate*
        - *Sodium borate*
      - *Lead borate*
      - *Rare earth borate*
      - *Thallium borate*
    - *Boron trioxide*
    - *Sodium fluoride–Soda–Boric oxide*
    - *Calcium boroaluminate*
    - *Boroaluminophosphate*
    - *Germanium oxide*
    - *Chalcogenides–Group 4A elements–Group 5A elements*
    - *Telluride*

  - By form
    - *Particles*

  - By purpose
    - *Decorative*
    - *Stained*

GLASS–SUBHEADINGS–Synopsis–cont.

- Applications
  - *Building materials*
  - *Engineering materials*
  - *Electronic engineering*

GLASS, Alkali borate, Cerous–Ceric equilibria
Cerous-ceric equilibrium in binary alkali borate and alkali silicate glasses. A. Paul & R. W. Douglas. Physics & Chemistry of Glasses, 6 (Dec 65) p.212-15. il. refs.

GLASS, Alkali borate, Redox equilibria
Mutual interaction of different redox pairs in glass. A. Paul & R. W. Douglas. Physics & Chemistry of Glasses, 7 (Feb 66) p.1-13. il. refs.
Oxygen ion activity and its influence on the redox equilibrium in glasses. R. W. Douglas, P. Nath & A. Paul. Physics & Chemistry of Glasses, 6 (Dec 65) p.216-23. il. refs.

GLASS, Alkali silicate, Cerous–Ceric equilibria
Cerous-ceric equilibrium in binary alkali borate and alkali silicate glasses. A. Paul & R. W. Douglas. Physics & Chemistry of Glasses, 6 (Dec 65) p.212-15. il. refs.

GLASS, Alkali silicate, Chromous–Chromic equilibria
Cr^{3+}-Cr^{6+} equilibrium in binary alkali silicate glasses. P. Nath & R. W. Douglas. Physics & Chemistry of Glasses, 6 (Dec 65) p.197-202. il. refs.

GLASS, Alkali silicate, Ferrous–Ferric equilibria
Ferrous-ferric equilibrium in binary alkali silicate glasses. A. Paul & R. W. Douglas. Physics & Chemistry of Glasses, 6 (Dec 65) p.207-11. il. refs.

GLASS, Alkali silicate, Redox equilibria
Mutual interaction of different redox pairs in glass. A, Paul & R. W. Douglas. Physics & Chemistry of Glasses, 7 (Feb 66) p.1-13. il. refs.
Oxygen ion activity and its influence on the redox equilibrium in glasses. R. W. Douglas, P. Nath & A. Paul. Physics & Chemistry of Glasses, 6 (Dec 65) p.216-23. il. refs.

GLASS, Alkaline earth aluminosilicate, Crystallisation, Studies, X-ray diffraction
Experimental study of the controlled crystallisation of alkaline earth silico-aluminate glasses. L. Leger & J. Bray. Glass Technology, 7 (Aug 66) p.134-42. il. refs.

GLASS, Amber, Manufactures, Oxygen–Sulphur
'Carbon-sulphur' amber glass. D. Brown & R. W. Douglas. Glass Technology, 6 (Dec 65) p.190-6. il. refs.

GLASS, Archaeology, Effect of weather, Crust layers, Dating
Some problems in the dating of ancient glass by counting the the layers in the weathering crust. R. G. Newton. Glass Technology, 7 (Feb 66) p.22-5. il. refs.

GLASS, Boroaluminophosphate, Doped, Molybdenum, Trivalent, Fluorescence
Excitation spectrum of 1 μm fluorescence of Mo^{3+}. A. I. Watson & S. Parke. Brit. J. of Applied Physics, 17 (Jul 66) p.963-4. il. ref.

GLASS, Boron trioxide, Molten, Viscoelasticity
Boron trioxide viscosity measured. Laboratory Practice, 15 (Oct 66) p.1159. refs.

GLASS, Borosilicate, Bayard–Alpert ionisation gauges. See IONISATION GAUGES, Bayard–Alpert, Glass, Borosilicate

GLASS, Borosilicate, Determination of vanadium, Electron spin resonance
Detection of VO^{2+} in glass by electron spin resonance. G. Hochstrasser. Physics & Chemistry of Glasses, 7 (Oct 66) p.178-82. il. refs.

GLASS, Borosilicate, Effect on electron–Ion recombination, Afterglows, Gas discharge, Nitrogen. See NITROGEN, Gas discharge, Afterglows, Electron–Ion recombination, Effect of borosilicate glass

GLASS, Borosilicate, Vacuum equipment. See VACUUM, Equipment, Glass, Borosilicat

GLASS, Borosilicate, Vacuum flasks. See FLASKS, Vacuum, Borosilicate

GLASS, Borosilicate, Water resistance, Determination, Soda extraction, Effect of temperature

Effect of temperature on the water-extraction of alkali from glass: Chemical Durability Committee of the Society. Glass Technology, 7 (Apr 66) p.35-41. il.

GLASS, Borosilicate, X-rays, Soft, Reflection

Reflection of soft x rays by polished surfaces of glass and steel. E. A. Stewardson & J. H. Underwood. Brit. J. of Applied Physics, 16 (Dec 65) p.1877-84. il. refs.

GLASS, Bottles, See BOTTLES, Glass

GLASS, Building materials

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Glass and ceramics. Municipal J., 74 (18 Mar 66) p.862+. il.

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GLASS, Building materials, Sunproof

Sun-proof glazing. J. de Jong. J. of Fuel & Heat Technology, 14 (Sep 66) p.3-5. il.

GLASS, Caesium silicate, Conductivity, Electrical

Electrical conductivity and nuclear magnetic resonance chemical shift in caesium silicate glasses. M. E. Milberg, K. Otto & T. Kushida. Physics & Chemistry of Glasses, 7 (Feb 66) p.14-18. il. refs.

GLASS, Caesium silicate, Nuclear magnetic resonance

Electrical conductivity and nuclear magnetic resonance chemical shift in caesium silicate glasses. M. E. Milberg, K. Otto & T. Kushida. Physics & Chemistry of Glasses, 7 (Feb 66) p.14-18. il. refs.

GLASS, Calcium boroaluminate, Chemical resistance, Tests

Chemical durability of CaO-B_2O_3-Al_2O_3 and CaO-B_2O_3-Al_2O_3-SiO_2 glasses. K. Searstone & J. O. Isard. Glass Technology, 6 (Dec 65) p.184-9. il. refs.

GLASS, Calcium boroaluminate, Nuclear magnetic resonance

Nuclear magnetic resonance studies of calcium boroaluminate glasses. S. G. Bishop & P. J. Bray. Physics & Chemistry of Glasses, 7 (Jun 66) p.73-81. il. refs.

GLASS, Cathodes, Electrostatic beam separators. See ELECTROSTATIC BEAM SEPARATORS, Cathodes, Glass

GLASS, Chalcogenides–Group 4A elements–Group 5A elements, Non-oxides

Non-oxide IVA-VA-VIA chalcogenide glasses. Pt.1: glass-forming regions and variations in physical properties. A. R. Hilton, C. E. Jones & M. Brau. Physics & Chemistry of Glasses, 7 (Aug 66) p.105-12. il. refs.

Non-oxide IVA-VA-VIA chalcogenide glasses. Pt.3: structural studies. A. R. Hilton, C. E. Jones, R. D. Dobrott, H. M. Klein, A. M. Bryant & T. D. George. Physics & Chemistry of Glasses, 7 (Aug 66) p.116-26. il. refs.

GLASS, Chalcogenides–Group 4A elements–Group 5A elements, Non-oxides, Oxide impurities, Spectrophotometry

Non-oxide IVA-VA-VIA chalcogenide glasses. Pt.2: infrared absorption by oxide impurities. A. R. Hilton & C. E. Jones. Physics & Chemistry of Glasses, 7 (Aug 66) p.112-6. il. refs

GLASS, Chemical resistance, Tests, Grains, Preparation

Preparation of glass grain samples for durability tests. R. F. R. Sykes. Glass Technology, 6 (Dec 65) p.178-83. il. refs.

GLASS, Cladding, Retail shops. See SHOPS, Retail, Cladding, Glass

GLASS, Containers, Food. See FOOD, Containers, Glass

GLASS, Containers, Storage, Fission products, Wastes, Nuclear reactors. See NUCLEAR REACTORS, Wastes, Fission products, Storage, Containers, Glass

GLASS, Conversion, Stored fission products, Wastes, Nuclear reactors. See NUCLEAR REACTORS, Wastes, Fission products (Storage) Conversion, Glass

GLASS, Crystallised, Coated metals. See METALS, Coated, Glass, Crystallised

GLASS, Decorative

Decorative glasswork. Glass Age, 9 (Aug 66) p.56+. il.

GLASS, Decorative, Panels, Buildings. See BUILDINGS, Panels, Decorative, Glass

GLASS, Decorative, Windows, Churches. See CHURCHES, Windows, Decorative, Glass

GLASS, Domes, Thermocouples, Sunlight, Irradiation measurement, Plants. See PLANTS, Irradiation (Sunlight) Measurement, Thermocouples, Domes, Glass

GLASS, Drilling, Ultrasonics, Cutters, Diamond impregnated

Improved ultrasonic machine tool for glass and ceramics. Industrial Diamond Rev., 26 (Jul 66) p.274-8. il.

Machining without abrasive slurry. P. Legge. Ultrasonics, 4 (Jul 66) p.157-62. il. refs.

GLASS, Electrodes. See ELECTRODES, Glass

GLASS, Electrodes, Potentiometric titrations. See POTENTIOMETRIC TITRATIONS, Electrodes, Glass

GLASS, Electronic engineering

Glass in electronic components: review of applications and recent developments. P.L. Kirby. Design Electronics, 4 (Dec 66) p.38-41. il.

GLASS, Encapsulation, Dopants, Pulling, Single crystal production, Germanium. See GERMANIUM, Crystals, Single, Production, Pulling, Dopants, Encapsulation, Glass

GLASS, Engineering materials

Engineering glasses: summary of properties. Design Electronics, 4 (Dec 66) p.42-5. il.

GLASS, Envelopes, Photoemissive cells. See PHOTOEMISSIVE CELLS, Envelopes, Glass

GLASS, Expanded, Building materials

Cellular glass. Data sheet. Insulation, 10 (Mar/Apr 66) p.74. refs.

GLASS, Fracture, Surfaces

On the shape and size of the fracture zones on glass fracture surfaces. J. W. Johnson & D. G. Holloway. Philosophical Magazine, 14 (Oct 66) p.731-43. il. refs.

GLASS, Friction, Internal, Measurements, Pendulums, Torsion, Logarithmic decrement, Recording, Photoelectric

Simple photocell counter for the determination of the logarithmic decrement of a torsional pendulum. G. J. Copley. J. of Scientific Instruments, 43 (Nov 66) p.845-6. il. refs.

GLASS, Germanium oxide, Molten, Temperature–Viscosity relationships

Study of viscosity-temperature relationships in the GeO_2 and SiO_2 systems. E. H. Fontana & W. A. Plummer. Physics & Chemistry of Glasses, 7 (Aug 66) p.139-46. il. refs.

GLASS, Heat treatment, Furnaces, Conveyors, Steel, Stainless, Control systems, Brakes, Electromagnetic

Closed loop control of electromagnetic clutches and brakes. P. Harbron. Process Control & Automation, 13 (Feb 66) p.36-8. il.

GLASS, Heat treatment, Furnaces, Conveyors, Steel, Stainless, Control systems, Clutches, Electromagnetic

Closed loop control of electromagnetic clutches and brakes. P. Harbron. Process Control & Automation, 13 (Feb 66) p.36-8. il.

GLASS, Homogeneity, Measurement, Electron probe microanalysis

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GLASS, Homogeneity, Measurement, Refractive index distribution

Micro-inhomogeneity of glass as determined from measurement of refractive index distribution. S. M. Budd & M. Blanchard. Glass Technology, 7 (Feb 66) p.12-14. refs.

GLASS, Homogeneity, Measurement, Shelyubskii method
Experiments to determine the homogeneity of glasses by the Shelyubskii method. G. Schilling & W. Weiss. Glass Technology, 7 (Apr 66) p.66-71. il. refs.

GLASS, Ion bombardment
Ion bombardment of glass. G. Carter & W. A. Grant. Physics & Chemistry of Glasses, 7 (Jun 66) p.94-100. il. refs.

GLASS, Lasers, See LASERS, Glass

GLASS, Lead borate, Spectrophotometry
Radiation induced optical absorption in lead borate glasses in relation to structure changes. A. M. Bishay & M. Maklad. Physics & Chemistry of Glasses, 7 (Oct 66) p.149-56. il. refs.

GLASS, Lead crystal, Manufactures, Batch mixing, Analysis
Methods of batch analysis. Pt.2: analysis of a lead crystal glass batch. W. W. Fletcher & R. M. Sales. Glass Technology, 7 (Jun 66) p.92-3

GLASS, Lenses. See LENSES, Glass

GLASS, Lithia–Silica, Phase separation
Inter-relationships between microheterogeneity, nucleation, and crystallisation in glasses. W. Vogel. Glass Technology, 7 (Feb 66) p.15-21. il. refs.

GLASS, Lithia–Silica–Zinc, Glass–Ceramics production. See GLASS–CERAMICS, Production, Glass, Lithia–Silica–Zinc

GLASS, Lithium borosilicate, Conductivity, Electrical
Electrical conductivity of SiO_2-B_2O_3 glasses containing lithium or sodium. K. Otto. Physics & Chemistry of Glasses, 7 (Feb 66) p.29-37. il. refs.

GLASS, Machining, Diamond
New techniques in finishing glassware [Whitefriars Glass Ltd., Wealdstone] T. Marles. Industrial Diamond Rev., 26 (Apr 66) p.140-3. il.

GLASS, Manganous ions, Spectroscopy
Absorption and fluorescence spectra of divalent manganese in glasses. K. Bingham & S. Parke. Physics & Chemistry of Glasses, 6 (Dec 65) p.224-32. il. refs.

GLASS, Manufactures
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GLASS, Manufactures, Education
Looking ahead at glass design and technology. Design (Nov 66) p.45-6. il.
Training of technical staff in the glass industry, pt.2. E. Plumat. Glass, 42 (Dec 65) p.589-95

GLASS, Manufactures, Education, Universities
Jubilee of the Department of Glass Technology. Glass Technology,6 (Dec 65) p.173-7. il. refs.

GLASS, Manufactures, Factories, Architecture
Glass showroom, Hilsea, Portsmouth [James Clark & Eaton (Hants.) Ltd.] Glass Age, 9 (Aug 66) p.42-5. il.
Glassworks factory, Portsmouth [James Clark & Eaton (Hants) Ltd.] Building, 210 (8 Jul 66) p.84-9. il.

GLASS, Manufactures, History
Glass manufacture. E. Venis. Chartered Mechanical Engr., 13 (Sep 66) p.378-84. il.

GLASS, Manufactures, Machines, Lubrication, Oil mist
Aerosol lubrication in the glass industry. R. Gelder. Glass, 43 (Jun 66) p.258-63. il.

GLASS, Manufactures, Organisations
Brief history of the Society of Glass Technology throughout fifty years. E. Meigh. Glass Technology, 7 (Oct 66) p.145-80. il.
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Fluidic control circuits [Corning Glass Works] W. F. Gesell, (summary). Machinery Lloyd (Overseas ed.) 38 (22 Oct 66) p.34-8. il.

GLASS, Melting, Mixing, Kinetics
Kinetics of mixing in continuous glass melting tanks. A. R. Cooper, Jr. Glass Technology, 7 (Feb 66) p.2-11. il. refs.

GLASS, Melting, Tanks, Oil-fired
Oil firing in glass works. H. Baumer. Glass, 43 (Nov 66) p.507-9.

GLASS, Melting, Tanks, Refractories
Modern monolithic refractories and their potential use in the glass industry. S. E. Cheetham & W. J. Young. Glass, 43 (Mar 66) p.119-22

GLASS, Melting, Tanks, Refractories, Basic
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GLASS, Melting, Tanks, Refractories, Casting, Slip
Some notes on slip-casting large blocks. O. M. Conrad. Glass, 43 (Mar 66) p.110-16. il.
Some notes on slip-casting large blocks, pt.2. O. M. Conrad. Glass, 43 (Apr 66) p.164-9. il.
Some notes on slip-casting large blocks, pt.3. O. M. Conrad. Glass 43 (May 66) p.216-20. il.
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GLASS, Melting, Tanks, Refractories, Silica, Fused
20 years' experience with fused silica bricks and compounds. Refractories J. (Nov 66) p.474-5. il. refs.

GLASS, Melting, Tanks, Waste heat recovery, Boilers
Waste heat boilers for the glass industry. P.W. Sherwood. Steam & Heating Engr., 36 (Oct 66) p. 36-41

GLASS, Molten, Homogeneity, Measurement
Homogeneity of small-scale laboratory glass melts. M. Cable & C. Bower. Glass Technology, 6 (Dec 65) p.197-205. il. refs.

GLASS, Molten, Lubrication, Extrusion, Mild steel. See STEEL, Mild, Extrusion, Lubrication, Glass, Molten

GLASS, Nuclear reactor components. See NUCLEAR REACTORS, Components, Glass

GLASS, Particles, Specific gravity, Determination, Density gradients
Determination of specific gravity of glass particles by a density gradient method. S. S. Kind & L. Summerscales. Analyst, 91 (Oct 66) p.669-70. il. refs.

GLASS, Plate, Adhesion, Plastics, Strips. See STRIPS, Plastics, Adhesion, Plate glass

GLASS, Plates, Plate production, Flexography. See FLEXOGRAPHY, Plates, Production, Plates, Glass

GLASS, Plates, Reference standards, Model tests, Resistance, Design, Ships. See SHIPS, Design, Resistance, Model tests, Reference standards, Plates, Glass

GLASS, Rare earth borate, Immiscibility
Liquid immiscibility in the rare earth oxide-boric oxide systems. E. M. Levin. Physics & Chemistry of Glasses, 7 (Jun 66) p.90-3. il. refs.

GLASS, Research
Research at the British Glass Industry Research Association. B. A. Turner. Glass, 43 (Jan 66) p.22-4

GLASS, Sawing, Diamond
Recent results of research into the sawing of glass (extract) G. Pahlitzsch. Glass Age, 9 (Nov 66) p.54+. il. refs.

GLASS, Sheets. See SHEETS, Glass

GLASS, Shopfronts. See SHOPFRONTS, Glass

GLASS, Silica, Hydrogen diffusion, Mass spectrometry
Comparative study of the diffusion of hydrogen in glass. R. W. Lee & D. L. Fry. Physics & Chemistry of Glasses, 7 (Feb 66) p.19-28. il. refs.

GLASS, Silica, Molten, Temperature–Viscosity relationships
Study of viscosity-temperature relationships in the GeO_2 and SiO_2 systems. E. H. Fontana & W. A. Plummer. Physics & Chemistry of Glasses, 7 (Aug 66) p.139-46. il. refs.

GLASS, Silica–Sodium disilicate, Crystallisation
Crystallisation of $Na_2O.2SiO_2$-SiO_2 glasses. J. Williamson & F. P. Glasser. Physics & Chemistry of Glasses, 7 (Aug 66) p.127-38. il. refs.

GLASS, Soda–Lime–Silica, Manufactures, Batch mixing, Analysis
Methods of batch analysis. Pt.1: analysis of soda-lime-silica glass batches. W. W. Fletcher & R. M. Sales. Glass Technology, 7 (Jun 66) p.88-91. il. refs.

GLASS, Soda–Lime–Silica, Refining, Agents, Sodium sulphate
Refining of two soda-lime-silica glasses with sodium sulphate. M. M. Bhuiyan & M. Cable. Glass Technology, 6 (Dec 65) p.206-12. il. refs.

GLASS, Soda–Lime–Silica, Water resistance, Determination, Soda extraction, Effect of temperature
Effect of temperature on the water-extraction of alkali from glass: Chemical Durability Committee of the Society. Glass Technology, 7 (Apr 66) p.35-41. il.

GLASS, Soda–Lime–Silica, Weathering
Initial stages of the weathering process on a soda-lime glass surface. R. M. Tichane. Glass Technology, 7 (Feb 66) p.26-9. il. refs.

GLASS, Sodium aluminosilicate, Toughening, Ion exchange
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Strengthening of glass by ion exchange. Pt.3: mathematical description of the stress relaxation after ion exchange in alkali aluminosilicate glasses. W. J. Spoor & A. J. Burggraaf. Physics & Chemistry of Glasses, 7 (Oct 66) p.173-7. il. refs.

GLASS, Sodium borate, Determination of iron, Spectroscopy, Infra-red
Some observations on the absorption of iron in silicate and borate glasses. F. N. Steele & R. W. Douglas. Physics & Chemistry of Glasses, 6 (Dec 65) p.246-52. il. refs.

GLASS, Sodium borosilicate, Conductivity, Electrical
Electrical conductivity of SiO_2-B_2O_3 glasses containing lithium or sodium. K. Otto. Physics & Chemistry of Glasses, 7 (Feb 66) p.29-37. il. refs.

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Nuclear magnetic resonance investigations of the structure of glasses in the system NaF-Na_2O-B_2O_3. D. Kline & P. J. Bray. Physics & Chemistry of Glasses, 7 (Apr 66) p.41-51. il. refs.

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HARDENING
Related Headings:
AGEING
STRAIN AGEING

HARDENING, Copper alloys. See COPPER, Alloys, Hardening

HARDENING, Dispersion–Precipitation, Steel–Chromium–Molybdenum–Nickel. See STEEL–CHROMIUM–MOLYBDENUM–NICKEL, Hardening, Dispersion–Precipitation

HARDENING, Induction, Steel, Axles, Tractors. See TRACTORS, Axles, Steel, Hardening, Induction

HARDENING, Iron ores, Pellets. See PELLETS, Iron ores, Hardening

HARDENING, Magnesium oxychloride cement. See CEMENT, Magnesium oxychloride, Hardening

HARDENING, Metals. See METALS, Hardening

HARDENING, Mild steel. See STEEL, Mild, Hardening

HARDENING, Neutron irradiation, Ferritic steel. See STEEL, Ferritic, Irradiation, Neutrons, Hardening

HARDENING, Precipitation
Related Headings:
GUINIER–PRESTON ZONES

HARDENING, Precipitation, Antimony–Lead. See ANTIMONY–LEAD, Hardening, Precipitation

HARDENING, Precipitation, Austenitic stainless steel. See STEEL, Stainless, Austenitic, Hardening, Precipitation

HARDENING, Precipitation, Steel. See STEEL, Precipitation hardening

HARDENING, Single crystals, Copper. See COPPER, Crystals, Single, Hardening

HARDENING, Strain, Effect on collapse load, Steel, Frames, Structures. See STRUCTURES, Frames, Steel, Collapse load, Effect of strain

HARDENING, Strain, Metals, Sheets. See SHEETS, Metals, Strain hardening
HARDENING, Strain, Ordered alloys. See ALLOYS, Ordered, Strain hardening
HARDENING, Strain, Single crystals, Iron–Silicon. See IRON–SILICON, Crystals, Single, Strain hardening
HARDENING, Strain, Single crystals, Zinc. See ZINC Crystals, Single, Strain hardening
HARDENING, Strain, Steel, Wires. See WIRES, Steel, Strain hardening
HARDENING, Strain, Steel–Chromium–Molybdenum–Nickel. See STEEL–CHROMIUM–MOLYBDENUM–NICKEL, Strain hardening
HARDFACING, Brick manufacture plant. See BRICKS, Manufactures, Plant, Hardfacing
HARDFACING, Mechanical handling equipment components, Clay, Bricks. See BRICKS, Clay, Mechanical handling, Equipment, Components, Hardfacing
HARDFACING, Moulds, Moulding, Plastics. See PLASTICS, Moulding, Moulds, Hardfacing
HARDFACING, Quarrying plant. See QUARRYING, Plant, Hardfacing

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HARDNESS
Related Headings:
INDENTATION

HARDNESS, Castings, Pearlitic malleable iron. See IRON, Malleable, Pearlitic, Castings, Hardness
HARDNESS, Coal. See COAL, Hardness
HARDNESS, Correlation with creep. See CREEP, Correlation with hardness
HARDNESS, Flame cut low alloy steel, Plates. See PLATES, Steel, Low alloy, Flame cut, Hardness

HARDNESS, High temperature, Tests, Mutual indentation
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HARDNESS, Metals. See METALS, Hardness
HARDNESS, Reversion, Guinier–Preston zones, Aluminium–Zinc. See ALUMINIUM–ZINC, Guinier–Preston zones, Hardness reversion
HARDNESS, Tests, Curved surfaces. See SURFACES, Curved, Hardness tests

HARDNESS, Tests, Instruments
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HARDNESS, Vickers, Diamonds. See DIAMONDS, Hardness, Vickers
HARDNESS, Yield stress determination, Aluminium, Strips. See STRIPS, Aluminium, Yield stress, Determination, Hardness
HARDNESS, Yield stress determination, Copper, Strips. See STRIPS, Copper, Yield stress, Determination, Hardness
HARDWOODS, Board. See BOARD, Hardwoods
HARINGEY
See
TOWN PLANNING, Haringey
HARLEY-DAVIDSON KR MOTOR CYCLES. See MOTOR CYCLES, Types, Harley-Davidson KR
HARLOW
See
HOUSING, Harlow
HARMAN'S METHOD, Figure of merit, Thermoelectricity. See THERMOELECTRICITY, Figure of merit, Harman's method

HARMONIC ANALYSIS, Graphs
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HARMONIC DISTORTION, Meters
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HARMONIC GENERATORS. See FREQUENCY, Multipliers
HARMONIC RESPONSE, Non-linear control systems. See CONTROL SYSTEMS, Non-linear, Harmonic response
HARMONICS, Electrical machinery. See ELECTRICAL MACHINERY, Harmonics
HARMONICS, Synchronous electrical machinery. See ELECTRICAL MACHINERY, Synchronous, Harmonics
HARRIS TWEEDS. See TWEEDS, Harris
HARROW
See
HOSPITALS, Harrow

HARROWS
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HARTLEPOOL
See
TECHNOLOGY, Hartlepool
HARTMANN LINES, Levelling, Rolling, Mild steel, Strips. See STRIPS, Steel, Mild, Rolling, Levelling, Luders markings
HARVESTED SUGAR CANE. See SUGAR CANE, Harvested
HARVESTERS, Asparagus. See ASPARAGUS, Harvesters
HARVESTERS, Barley. See BARLEY, Harvesting, Machines
HARVESTERS, Beans. See BEANS, Harvesters
HARVESTERS, Combine. See COMBINE HARVESTERS
HARVESTERS, Fruit. See FRUIT, Harvesters
HARVESTERS, Lettuces. See LETTUCES, Harvesters
HARVESTERS, Potatoes. See POTATOES, Harvesters
HARVESTERS, Raspberries. See RASPBERRIES, Harvesters
HARVESTERS, Sugar beet. See SUGAR BEET, Harvesters
HARVESTERS, Sugar cane. See SUGAR CANE, Harvesters
HARWICH
See
PORTS, Harwich
HASTINGS
See
TOWN PLANNING, Hastings

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HAULAGE, Machines, Coal mining. See COAL, Mining, Machines, Haulage
HAULAGE, Road. See ROADS, Haulage
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HAUNCHES, Beams, Tall buildings. See BUILDINGS, Tall, Beams, Haunches
HAVANT
See
ROADS, Havant
HAVERHILL
See
HOUSING, Haverhill

HAVILAND, J.
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HAWKER SIDDELEY–BREGUET NORD HBN–100 AIRCRAFT. See AIRCRAFT, Types, Hawker Siddeley–Breguet-Nord HBN-100
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HAWTHORN LESLIE SYSTEM, Prefabricated maisonettes. See MAISONETTES, Prefabricated, Hawthorn Leslie system

HAY, Baled, Drying, Barns

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HAY, Drying, Barns

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HAY, Mouldy, Sugars

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HAZE, Beer. See BEER, Haze

HEAD-UP DISPLAY UNITS, Instruments, Aircraft. See AIRCRAFT, Instruments, Display units, Head-up

HEAD UP DISPLAY UNITS, Instruments, Naval aircraft. See AIRCRAFT, Naval, Instruments, Displays, Head up

HEADBOARDS (Lorries) Construction

Building the lorry body—headboards. F. Jakeman. Motor Body, 136 (Apr 66) p.5-6. il.

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HEADING, Warm. See WARM HEADING

HEADLIGHTS, Commercial vehicles. See VEHICLES, Commercial, Headlights

HEADLIGHTS, Glare, Effect on night driving, Motor vehicles. See MOTOR VEHICLES, Driving, Night, Effect of headlight glare

HEADLIGHTS (Motor cars) Dip switches

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HEADS, Sewing machines. See SEWING, Machines, Heads

HEADSTOCKS, Centre lathes. See LATHES, Centre, Headstocks

HEALTH, Industrial. See INDUSTRIAL HEALTH

HEALTH, Industrial, Aromatic amines production. See AMINES, Aromatic, Production, Industrial health

HEALTH, Industrial, Chemical technology. See CHEMICAL TECHNOLOGY, Industrial health

HEALTH, Industrial, Mining, Uranium ores. See URANIUM, Ores, Mining, Industrial health

HEALTH, Industrial, Radioactivity. See RADIOACTIVITY, Industrial health

HEALTH, Industrial, Welding. See WELDING, Industrial health

HEALTH CENTRES

Related Headings:

SURGERIES

HEALTH CENTRES, Hemel Hempstead

Hemel Hempstead Civic Centre. Pt.2: pavilion and health centre. Architects' J., 144 (6 Jul 66) p.27+. il.

HEALTH CENTRES, Leeds

Clinical and library building, Leeds [Belle Isle] Builder, 210 (14 Jan 66) p.57-8. il.

HEALTH CENTRES, Mobile

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HEARING, Thresholds

Free field threshold variance. T. I. Hempstock, M. E. Bryan & J. B. C. Webster. J. of Sound & Vibration, 4 (Jul 66) p.33-44. refs.

HEART, Rate, Frequency, Instantaneous, Measurement, Waveforms, Hyperbolic, Generators

Generation of hyperbolic waveforms. R. D. McDonald. Electronic Engng., 38 (Nov 66) p.714-17. il. refs.

HEART, Stimulators, Current impulses, Generators

Design of current source and isolation transformer for electro-physiological experiments. A. van Oosterom. Electronic Engng., 38 (Feb 66) p.86-9. il. ref.

HEAT

Related Headings:

TEMPERATURE

THERMAL

THERMOELECTRICITY

HEAT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Ergonomics

Transfer
  Exchangers
  Conduction
  Conduction–Radiation
  Radiation

Recovery

Storage
  Pumps

Applications
  Treatment

HEAT, Adsorption, Antifoggants, Photography. See PHOTOGRAPHY, Antifoggants, Adsorption, Heat

HEAT, Capacity, Antiferroelectricity studies, Potassium manganese trifluoride. See POTASSIUM MANGANESE TRIFLUORIDE, Antiferroelectricity, Studies, Heat capacity

HEAT, Capacity, Polyoxypropylene. See POLYOXYPROPYLENE, Heat capacity

HEAT, Capacity, Propylene oxide. See PROPYLENE OXIDE, Heat capacity

HEAT, Conduction

Related Headings:

THERMAL CONDUCTIVITY

HEAT, Conduction, Boundary conditions, Analysis, Differential equations, Partial, Parabolic, Numerical solutions, Crank–Nicholson formula

On the instability of the Crank Nicholson formula under derivative boundary conditions. P. Keast & A. R. Mitchell. Computer J., 9. (May 66) p.110-14. il. refs.

HEAT, Conduction, Composite walls. See WALLS, Composite, Heat, Conduction

HEAT, Conduction, Differential thermal analysis. See THERMAL ANALYSIS, Differential, Conduction

HEAT, Conduction, Finite difference approximations

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HEAT, Conduction, Flow, Unsteady

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HEAT, Conduction, Pistons, Diesel engines. See DIESEL ENGINES, Pistons, Heat conduction

HEAT, Conduction–Radiation, Analogues, Networks, Electrical

Analogous studies of simultaneous conductive and radiative heat transfer. D. W. Stops & R. E. Pearson. Brit. J. of Applied Physics, 17 (Nov 66) p.1491-9. il. refs.

HEAT, Cycles, LD oxygen process, Steel production. See STEEL, Production, Oxygen process, LD, **Heat cycles**

HEAT, Cylinders. See CYLINDERS, Heat

HEAT, Effect on wear, Cutters, Machine tools. See MACHINE TOOLS, Cutters, Wear, Effect of heat

HEAT, Ergonomics, Solar radiation, Effective body surface

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HEAT, Exchangers

Availability of heat-exchanger plant. F. L. Donnison. Instn. of Mechanical Engrs. Proc., 179 pt.31 (1964-65) p.35-46. il.

HEAT, Exchangers, Blast furnaces, Zinc production. See ZINC, Production, Blast furnaces, Heat exchangers

HEAT, Exchangers, Control systems

Heat exchanger d.d.c. system (summary) G. V. Woodley. Control, 10 (Jun 66) p.327-8. il. refs.

HEAT, Exchangers, Countercurrent, Convection, Partial differential equations, Hyperbolic, Numerical solutions

Efficient numerical method for the solution of pure convective transport problems with split boundary conditions. E. H. Herron & D. U. von Rosenberg. Chemical Engng. Science, 21 (Apr 66) p.337-42. il. refs.

HEAT, Exchangers, Countercurrent, Dynamics, Cross correlation, Perturbations, Random, Binary

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HEAT, Exchangers, Cryogenics, Frosting

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HEAT, Exchangers, Fins, Heat transfer

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HEAT, Exchangers, Glass–Ceramics

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HEAT, Exchangers, Graphite

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HEAT, Exchangers, Graphite, Finishing, Metals. See METALS, Finishing, Heat exchangers, Graphite

HEAT, Exchangers, Liquefaction, Helium. See HELIUM, Liquefaction, Heat exchangers

HEAT, Exchangers, Liquid–Liquid contact

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HEAT, Exchangers (Nuclear power stations) Welded, Leaks, Testing, Mass spectrometry

Vacuum/gas leak testing of boiler elements for nuclear power stations. F. S. Mitchard. Brit. J. of Non-Destructive Testing, 7 (Dec 65) p.97-103. il.

HEAT, Exchangers, Radiant tubes, Gas-fired furnaces. See FURNACES, Gas-fired, Radiant tubes, Heat exchangers

HEAT, Exchangers (Refrigerators) Pipes, Steel, Stainless, Boiling, Heat transfer

Heat exchange in boiling refrigerants and critical heat loads. G. V. Ratiani & D. I. Avaliani. J. of Refrigeration, 9 (Oct 66) p.252-3. il. ref.

HEAT, Exchangers, Regenerative, Distillation. See DISTILLATION, Heat exchangers, Regenerative

HEAT, Exchangers, Scraped surface, Heat transfer

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Power consumption in a scraped-surface heat exchanger. A. M. Trommelen & S. Boerema. Trans. of Instn. of Chemical Engrs., 44 (Nov 66) p.T329-34. il. refs.

HEAT, Exchangers, Town gas appliances. See GAS (Town) Appliances, Heat exchangers

HEAT, Exchangers, Tubes, Cleaning, Balls, Rubber

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HEAT, Exchangers, Tubes, Finned, Heat transfer

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HEAT, Exchangers, Tubes, Finned, Manufactures

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HEAT, Exchangers, Tubes, Finned, Mass transfer

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HEAT, Exchangers, Tubular, Differential equations, Partial, Solution, Computers, Analogue

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Simulation of a simple tubular heat exchanger. W. D. T. Davies. Process Control & Automation, 13 (Aug 66) (Aug 66) p.25-7. il. ref.

HEAT, Exhaust, Utilisation, Gas turbines, Alternators. See ALTERNATORS, Gas turbines, Exhaust heat utilisation

HEAT, Explosions, Lead stearate studies, Ballistic modifiers, Combustion, Propellants, Nitrocellulose. See NITROCELLULOSE, Propellants, Combustion, Ballistic modifiers, Lead stearate, Studies, Explosions, Heat

HEAT, Hardening, Magnesium oxychloride cement. See CEMENT, Magnesium oxychloride, Hardening, Heat

HEAT, Loss, Electrical conductors, Cryostats, Helium. See HELIUM, Cryostats, Electrical conductors, Heat loss

HEAT, Loss, Ferrite cores, Storage units, Computers. See COMPUTERS, Storage units, Ferrite cores, Heat loss

HEAT, Loss, Housing. See HOUSING, Heat loss

HEAT, Loss, Ladles, Liquid metals. See METALS, Liquid, Ladles, Heat loss

HEAT, Loss, Thermal insulation, Pipes. See PIPES, Insulation, Thermal, Heat loss

HEAT, Measurement

Related Headings:

CALORIMETERS

CALORIMETRY

HEAT, Mixing, Solutions, Polybutenes. See POLYBUTENES, Solutions, Mixing, Heat

HEAT, Pulses, Slabs. See SLABS, Heat pulses

HEAT, Pulses, Thermal diffusivity determination, Irradiated fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Irradiated, Thermal diffusivity, Determination, Heat pulses

HEAT, Pumps

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HEAT, Pumps, Factories

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HEAT, Pumps, Office buildings

Designing a heat pump system. Benjamin & Flack. Heating & Ventilating Engr., 40 (Jul 66) p.31-3. il.

HEAT, Radiation
Related Headings:
EMISSIVITY
INFRA-RED RADIATION
RADIOMETERS

HEAT, Radiation, Demonstration, Equipment
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HEAT, Recovery
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HEAT, Recovery, Air conditioning, Office buildings. See OFFICE BUILDINGS, Air conditioning, Waste heat utilisation

HEAT, Recovery, Boilers
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HEAT, Recovery, Exhaust, Diesel engines. See DIESEL ENGINES, Exhaust, Waste heat recovery

HEAT, Recovery, Gas turbines, Alternators. See ALTERNATORS, Gas turbines, Waste heat recovery

HEAT, Recovery, LD oxygen process, Steel production. See STEEL, Production, Oxygen process, LD, Waste heat recovery

HEAT, Recovery, Power stations. See POWER STATIONS, Heat recovery

HEAT, Recovery, Steel production. See STEEL, Production, Waste heat recovery

HEAT, Recovery, Tanks, Melting, Glass. See GLASS, Melting, Tanks, Waste heat recovery

HEAT, Recovery, Waste water, Laundries. See LAUNDRIES, Waste water, Heat recovery

HEAT, Resistance, Leather, Insoles, Footwear. See FOOTWEAR, Insoles, Leather, Heat resistance

HEAT, Resistance, Man-made fibres. See MAN-MADE FIBRES, Heat resistance

HEAT, Sealing, Making-up, Man-made fibres, Knitwear fabrics. See KNITWEAR, Fabrics, Man-made fibres, Making-up, Heat sealing

HEAT, Sealing, Packaging, Thermoplastic film. See FILM, Thermoplastics, Packaging, Sealing, Heat

HEAT, Sealing, Thermoplastics, Containers. See CONTAINERS, Thermoplastics, Sealing, Heat

HEAT, Setting, Fabrics. See FABRICS, Setting, Heat

HEAT, Setting, Man-made fibres, Fabrics. See FABRICS, Man-made fibres, Setting, Heat

HEAT, Setting, Web offset lithography. See LITHOGRAPHY, Web offset, Heat setting

HEAT, Shields, Artificial satellites. See SATELLITES, Artificial, Heat shields

HEAT, Sorption, Moisture content, Textiles. See TEXTILES, Moisture content, Sorption, Heat

HEAT, Specific, Chromium–Molybdenum. See CHROMIUM–MOLYBDENUM, Specific heat

HEAT, Specific, Chromium–Nickel. See CHROMIUM–NICKEL, Specific heat

HEAT, Specific, Solid argon. See ARGON, Solid, Specific heat

HEAT, Spotting, Drums, Brakes, Motor vehicles. See MOTOR VEHICLES, Brakes, Drums, Spotting, Heat

HEAT, Transfer
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HEAT, Transfer
Related Headings:
CONVECTION
CONVECTORS
COOLING
RADIATORS
THERMAL CONDUCTIVITY

HEAT, Transfer, Air conditioning. See AIR CONDITIONING, Heat transfer

HEAT, Transfer, Analysis, Finite difference approximations
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HEAT, Transfer, Boilers, Nuclear power stations. See NUCLEAR POWER STATIONS, Boilers, Heat transfer

HEAT, Transfer, Boiling. See BOILING, Heat transfer

HEAT, Transfer, Boiling, Liquid argon. See ARGON, Liquid, Boiling, Heat transfer

HEAT, Transfer, Boiling, Liquid hydrogen. See HYDROGEN, Liquid, Boiling, Heat transfer

HEAT, Transfer, Boiling, Liquid nitrogen. See NITROGEN, Liquid, Boiling, Heat transfer

HEAT, Transfer, Boiling, Neon, Cryogenics. See NEON, Cryogenics, Boiling, Heat transfer

HEAT, Transfer, Boiling, Stainless steel, Pipes, Heat exchangers, Refrigerators. See REFRIGERATORS, Heat exchangers, Pipes, Steel, Stainless, Boiling, Heat transfer

HEAT, Transfer, Braces, Fuel elements, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Fuel elements, Braces, Heat transfer

HEAT, Transfer, Bubble beds. See BUBBLE BEDS, Heat transfer

HEAT, Transfer, Catalysts, Consecutive chemical reactions. See CHEMICAL REACTIONS, Consecutive, Catalysts, Heat transfer

HEAT, Transfer, Cavities, Walls, Buildings. See BUILDINGS, Walls, Cavities, Heat transfer

HEAT, Transfer, Condensers, Steam, Tankers. See TANKERS, Ships, Steam condensers, Heat transfer

HEAT, Transfer, Differential thermal analysis. See THERMAL ANALYSIS, Differential, Heat transfer

HEAT, Transfer, Drying. See DRYING, Heat transfer

HEAT, Transfer, Engines, Hydrogen–Liquid oxygen fuelled rockets. See ROCKETS, Hydrogen–Liquid oxygen fuelled, Engines, Heat transfer

HEAT, Transfer, Evaporation, Gas–Solid fluidised beds. See FLUIDISED BEDS, Gas–Solid, Evaporation, Heat transfer

HEAT, Transfer, Films, Cryotrons. See CRYOTRONS, Films, Heat transfer

HEAT, Transfer, Finned tubes, Heat exchangers. See HEAT, Exchangers, Tubes, Finned, Heat transfer

HEAT, Transfer, Fins, Exchangers, Heat. See HEAT, Exchangers, Fins, Heat transfer

HEAT, Transfer, Flow, Twisted tapes, Inserts, Pipes. See PIPES, Inserts, Tapes, Twisted, Flow, Heat transfer

HEAT, Transfer, Flow, Viscoelastic liquids. See LIQUIDS, Viscoelastic, Flow, Heat transfer

HEAT, Transfer, Fluidised beds. See FLUIDISED BEDS, Heat transfer

HEAT, Transfer, Freon–Lubricating oils. See FREON–LUBRICATING OILS, Heat transfer

HEAT, Transfer, Fuel elements, Steam generating heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated, Steam gernerating, Fuel elements, Heat transfer

HEAT, Transfer, Gas flow. See GAS FLOW, Heat transfer

HEAT, Transfer, Gas-Liquid-Solid fluidised beds. See FLUIDISED BEDS, Gas-Liquid-Solid, Heat transfer

HEAT, Transfer, Gas–Solid fluidised beds. See FLUIDISED BEDS, Gas–Solid, Heat transfer

HEAT, Transfer, Horizontal pipes, Slug flow, gas–liquid systems. See GAS–LIQUID SYSTEMS, Flow, Slug, Pipes, Horizontal, Heat transfer

HEAT, Transfer, Hot plates, Impinging drops, Water. See WATER, Drops, Impinging, Hot plates, Heat transfer

HEAT, Transfer, Hydrocyclones. See HYDROCYCLONES, Heat transfer
HEAT, Transfer, Infra red heating, Moving steel strips. See STRIPS, Steel, Moving, Heating, Infra red, Heat transfer
HEAT, Transfer, Laminar flow, Heated walls, Annular pipes. See PIPES, Annular, Walls, Heated, Flow, Laminar, Heat transfer

HEAT, Transfer, Media, Petroleum
Mineral oil as diathermic fluid. Fuel Efficiency, 14 (Feb 66) p.14-15. il.

HEAT, Transfer, Mixing, Fluids. See FLUIDS, Mixing, Heat transfer
HEAT, Transfer, Non-linear boiling. See BOILING, Non-linear, Heat transfer
HEAT, Transfer, Non-Newtonian fluids. See FLUIDS, Non-Newtonian, Heat transfer
HEAT, Transfer, Nucleate boiling. See BOILING, Nucleate, Heat transfer
HEAT, Transfer, Nucleate boiling, Ethyl alcohol. See ETHYL ALCOHOL, Boiling, Nucleate, Heat transfer
HEAT, Transfer, Nucleate boiling water. See WATER, Boiling, Nucleate, Heat transfer
HEAT, Transfer, Nucleate pool boiling. See BOILING, Pool, Nucleate, Heat transfer
HEAT, Transfer, Once through boiler design, Power stations. See POWER STATIONS, Boilers, Once through, Design, Heat transfer

HEAT, Transfer, Partial differential equations, Finite difference approximations
Stability of difference methods. K. Ostergaard. Brit. Chemical Engng., 11 (Oct 66) p.1213-16. refs.

HEAT, Transfer, Pool boiling, Water. See WATER, Boiling, Pool, Heat transfer
HEAT, Transfer, Pulsed flow, Fluids. See FLUIDS, Flow, Pulsed, Heat transfer
HEAT, Transfer, Pulverised coal deposits, Boilers. See BOILERS, Coal, Pulverised, Deposits, Heat transfer
HEAT, Transfer, Radiators. See RADIATORS, Heat transfer
HEAT, Transfer, Rooms, Buildings. See BUILDINGS, Rooms, Heat transfer
HEAT, Transfer, Scraped surface heat exchangers. See HEAT, Exchangers, Scraped surface, Heat transfer
HEAT, Transfer, Spheres, Fluidised beds. See FLUIDISED BEDS, Spheres, Heat transfer
HEAT, Transfer, Spheres, Packed beds. See PACKED BEDS, Spheres, Heat transfer
HEAT, Transfer, Stainless steel, Cans, Fuel elements, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Fuel elements, Cans, Steel, Stainless, Heat transfer
HEAT, Transfer, Stirrers, Mixing, Non-Newtonian fluids. See FLUIDS, Non-Newtonian, Mixing, Stirrers, Heat transfer
HEAT, Transfer, Structures, Aircraft. See AIRCRAFT, Structures, Heat transfer
HEAT, Transfer, Transient, Windings, Electrical machinery. See ELECTRICAL MACHINERY, Windings, Heat transfer, Transient
HEAT, Transfer, Tubular chemical reactors. See CHEMICAL REACTORS, Tubular, Heat transfer
HEAT, Transfer, Turbojets. See TURBOJETS, Heat transfer

HEAT, Transfer, Turbulent, Renewal models
On turbulent heat or mass transfer. E. Ruckenstein. Chemical Engng. Science, 21 (Feb 66) p.113-16. refs.

HEAT, Treatment
Related Headings:
- ANNEALING
- AUSTEMPERING
- HARDENING
- QUENCHING
- STRESS RELIEVING
- TEMPERING

HEAT, Treatment, Aluminium. See ALUMINIUM, Heat treatment
HEAT, Treatment, Crankshafts, Engines, Commercial vehicles. See VEHICLES, Commercial, Engines, Crankshafts, Heat treatment
HEAT, Treatment, Cast iron. See IRON, Cast, Heat treatment
HEAT, Treatment, Copper–Beryllium. See BERYLLIUM–COPPER, Heat treatment
HEAT, Treatment, Effect on mechanical properties, Sintered powder metallurgy, Steel–Nickel. See STEEL–NICKEL, Powder metallurgy, Sintered, Mechanical properties, Effect of heat treatment
HEAT, Treatment, Forgings, Steel. See STEEL, Forgings, Heat treatment

HEAT, Treatment, Furnaces
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Significance of heat treatment in production: furnace selection, layout and control. R. V. Cutts. Iron & Steel, 39 (25 May 66) p.267-9. il.

HEAT, Treatment, Furnaces, Control systems, Computers
Why not computer-controlled heat treatment. J. L. W. Churchill. Metalworking Production, 110 (3 Aug 66) p.38-40. il.

HEAT, Treatment, Glass. See GLASS, Heat treatment
HEAT, Treatment, Gold, Electroplated cases, Watches. See WATCHES, Cases, Electroplated, Gold, Heat treatment
HEAT, Treatment, Iron–Chromium–Nickel. See IRON–CHROMIUM–NICKEL, Heat treatment
HEAT, Treatment, Mar-ageing, steel–aluminium–nickel titanium. See STEEL–ALUMINIUM–NICKEL–TITANIUM, Mar-ageing, Heat treatment
HEAT, Treatment, Mild steel. See STEEL, Mild, Heat treatment
HEAT, Treatment, Motor car parts. See MOTOR CARS, Parts, Heat treatment

HEAT, Treatment, Plant
Specialized heat treatment on a contract basis [Wild Barfield Ltd.] G. W. Mason. Machinery, 109 (30 Nov 66) p.1190-3. il.

HEAT, Treatment, Quality control
Quality control in heat treatment (summary) K. W. Chambers. Metalworking Production, 110 (19 Jan 66) p.56-9

HEAT, Treatment, Solution, Austenitic stainless steel. See STEEL, Stainless, Austenitic, Heat treatment, Solution
HEAT, Treatment, Spot welded steel, Strips. See STRIPS, Steel, Welded, Spot, Heat treatment
HEAT, Treatment, Steel. See STEEL, Heat treatment
HEAT, Treatment, Steel, Tools. See TOOLS, Steel, Heat treatment
HEAT, Treatment, Steel, Wires. See WIRES, Steel, Heat treatment
HEAT, Treatment, Welded steel, Chains. See CHAINS, Steel, Welded, Heat treatment
HEAT, Utilisation, Lighting. See LIGHTING, Heat utilisation
HEAT, Utilisation, Lighting, Office buildings. See OFFICE BUILDINGS, Lighting, Heat utilisation
HEAT, Vaporisation, Copper. See COPPER, Vaporisation, Heat
HEAT, Vaporisation, Gold. See GOLD, Vaporisation, Heat
HEAT, Vaporisation, Silver. See SILVER, Vaporisation, Heat
HEAT RESISTANT CONCRETE. See CONCRETE, Heat resistant
HEAT RESISTANT PAINT, Supersonic aircraft. See AIRCRAFT, Supersonic, Paint, Heat resistant
HEAT RESISTANT POLYMERS. See POLYMERS, Heat resistant
HEAT RESISTANT POLYMERS, Supersonic aircraft components. See AIRCRAFT, Supersonic, Components, Polymers, Heat resistant
HEAT SENSITISED MATERIALS, Photography. See PHOTOGRAPHY, Heat sensitised materials

HEAT SWITCHES, Calorimetry, Cryogenics. See CRYOGENICS, Calorimetry, Heat switches

HEAT TREATED URANIUM, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Uranium, Heat treated

HEATED CARGOES, Tankers, Ships. See TANKERS, Ships, Cargoes, Heated

HEATED GLASS CATHODES, Electrostatic beam separators. See ELECTROSTATIC BEAM SEPARATORS, Cathodes, Glass, Heated

HEATED WALLS, Annular pipes. See PIPES, Annular, Walls, Heated

HEATERS, Feedwater, Boilers, Power stations. See POWER STATIONS, Boilers, Feedwater, Heaters

HEATERS, Motor cars

44 cars and their heaters. Autocar, 124 (11 Feb 66) p.288-91. il.

HEATERS, Water. See WATER, Heaters

HEATING

Related Headings:

- CALCINING
- ELECTRON BEAM HEATING
- FURNACES
- KILNS
- OVENS
- OVERHEATING
- PLASMA ARCS
- REHEATING
- ROASTING
- STOVING

HEATING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Equipment

By fuel
  Oil fired
  Gas fired
  Electric
    Induction
    Dielectric
      Microwave

HEATING, Aerodynamic, Aircraft. See AIRCRAFT, Heating, Aerodynamic

HEATING, Aerodynamic, Missiles. See MISSILES, Heating, Aerodynamic

HEATING, Aggregates, Concrete. See CONCRETE, Aggregates, Heating

HEATING, Air. See AIR HEATING

HEATING, Anodes, Gaps, Vacuum. See VACUUM, Gaps, Anodes, Heating

HEATING, Billets. See BILLETS, Heating

HEATING, Buildings. See BUILDINGS, Heating

HEATING, Buses. See BUSES, Heating

HEATING, Cathedrals. See CATHEDRALS, Heating

HEATING, Cathode ray tube manufactures. See ELECTRON TUBES, Cathode ray, Manufactures, Heating

HEATING, Cellulose acetate, Membranes, Reverse osmosis, Conversion, Sea water. See SEA, Water, Conversion, Reverse osmosis, Membranes, Cellulose acetate, Heating

HEATING, Central, Flats. See FLATS, Heating, Central

HEATING, Chromium–Nickel, Wires. See WIRES, Chromium–Nickel, Heating

HEATING, Coal-fired, Houses. See HOUSES, Heating, Coal-fired

HEATING, Dielectric

High frequency heating. Design & Components in Engng. (13 Jan 66) p.31-9. il.

HEATING, Dielectric, Cookers. See COOKERS, Dielectric heating

HEATING, Dielectric, Food processing. See FOOD, Processing, Heating, Dielectric

HEATING, District. See DISTRICT HEATING

HEATING, District, Flats. See FLATS, Heating, District

HEATING, District, University buildings. See UNIVERSITY BUILDINGS, District heating

HEATING, Dough, Flour. See FLOUR, Dough, Heating

HEATING, Drying, Fines, Cleaning, Coal. See COAL, Cleaning, Fines, Drying, Heating

HEATING, Eggs. See EGGS, Heating

HEATING, Electric

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HEATING, Electric, Buildings. See BUILDINGS, Heating, Electric

HEATING, Electric, Chemical engineering. See CHEMICAL ENGINEERING, Heating, Electric

HEATING, Electric, Elements

Factors in heating element design. R. Tervo. Electrical Power Engr., 48 (Oct 66) p.323+. il.

HEATING, Electric, Factories. See FACTORIES, Heating, Electric

HEATING, Electric, Greenhouses. See GREENHOUSES, Heating, Electric

HEATING, Electric, Housing. See HOUSING, Heating, Electric

HEATING, Electric, Massecuite, Sugar, See SUGAR, Massecuite, Heating, Electric

HEATING, Electric, Nuclear energy research. See NUCLEAR ENERGY, Research, Heating, Electric

HEATING, Electric, Old people's flats. See FLATS, Old people, Heating, Electric

HEATING, Electric, Refining, Petroleum. See PETROLEUM, Refining, Heating, Electric

HEATING, Electric, Stress relieving, Welded steel structures. See STRUCTURES, Steel, Welded, Stress relieving, Heating, Electrical resistance

HEATING, Electric, Vacuum chambers. See VACUUM, Chambers, Heating, Electric

HEATING, Electric motors. See ELECTRIC MOTORS, Heating

HEATING, Equipment, Corrosion, Atmosphere

How atmospheric conditions can corrode heating equipment. P.W. Sherwood. Heating & Ventilating Engr., 40 (Oct 66) p.187-8

HEATING, Equipment, Manufactures, Production, Management

Management techniques of particular interest to the heating and ventilating industry. H. Pollak. Instn. of Heating & Ventilating Engrs. J., 33 (Jan 66) p.314-24. il. refs.

HEATING, Factories. See FACTORIES, Heating

HEATING, Factories, Glass fibre reinforced plastic boat manufactures. See BOATS, Plastics, Reinforced–Glass fibre, Manufactures, Factories, Heating

HEATING, Factories, Man-made fibre manufactures, Carpets. See CARPETS, Man-made fibres, Manufactures, Factories, Heating

HEATING, Farm buildings. See FARM BUILDINGS, Heating

HEATING, Feedwater, Boilers. See BOILERS, Feedwater, Heating

HEATING, Fuel oil. See FUEL OIL, Heating

HEATING, Gas fired

Light industrial development uses gas. E. Ford. Gas J., 328 (2 Nov 66) suppt. p.228-32. il.

Open flame heating. 'Aegil'. Gas J., 327 (7 Sep 66) suppt. p.182-3. il.

HEATING, Gas-fired, Borosilicate glassware manufactures, Laboratories. See LABORATORIES, Glassware, Borosilicate, Manufactures, Heating, Gas fired

HEATING, Gas-fired, Buildings. See BUILDINGS, Heating, Gas

HEATING, Gas-fired, Drying, Inks, Offset lithography. See LITHOGRAPHY, Offset, Inks, Drying, Heating, Gas-fired

HEATING, Gas fired, Equipment

Ideal-Standard go over to town gas. Gas J., 327 (7 Sep 66) suppt. p.188

HEATING, Gas-fired, Factories. See FACTORIES, Heating, Gas-fired

HEATING, Gas-fired, Foundry practice. See FOUNDRY PRACTICE, Heating, Gas-fired

HEATING, Gas-fired, Glazed pottery manufactures. See POTTERY, Glazed, Manufactures, Heating, Gas-fired

HEATING, Gas-fired, Hot dip galvanising. See GALVANISING, Hot dip, Heating, Gas fired

HEATING, Gas-fired, Motor car manufactures. See MOTOR CARS, Manufactures, Heating, Gas fired

HEATING, Gas-fired, Prefabricated housing. See HOUSING, Prefabrication, Heating, Gas

HEATING, Gas-fired, Steel production. See STEEL, Production, Heating, Gas-fired

HEATING, Gas-fired, Stoving, Paint, Bodies, Motor cars. See MOTOR CARS, Bodies, Paint, Stoving, Heating, Gas-fired

HEATING, Gases. See GASES, Heating

HEATING, Hospitals. See HOSPITALS, Heating

HEATING, Hotels. See HOTELS, Heating

HEATING, Houses. See HOUSES, Heating

HEATING, Housing. See HOUSING, Heating

HEATING, Housing, Air pollution. See AIR POLLUTION, Domestic heating

HEATING, Housings, Farm animals. See ANIMALS, Farm, Housings, Heating

HEATING, Icing prevention, Conductors, Overhead power transmission lines. See POWER TRANSMISSION LINES, Overhead, Conductors, Icing, Prevention, Heating

HEATING, Immersion, Water, Houses. See HOUSES, Water, Heating, Immersion

HEATING, Induction

Application of induction heating techniques. A.W. Edwards. J. of Fuel & Heat Technology, 14 (Sep 66) p.33-5

High frequency heating. Design & Components in Engng. (13 Jan 66) p.31-9. il.

HEATING, Induction, Curing, Adhesives. See ADHESIVES, Curing, Heating, Induction

HEATING, Induction, Curing, Adhesives, Bonding, Rigid thermoplastics. See THERMOPLASTICS, Rigid, Bonding, Adhesives, Curing, Heating, Induction

HEATING, Induction, Equipment

Process heating plant design: U.K.A.E.A. furnace installations for treating difficult materials described at I.E.E. Electrical Times, 149 (27 Jan 66) p.137. il.

HEATING, Induction, Gases. See GASES, Heating, Induction

HEATING, Induction motors. See ELECTRIC MOTORS (Induction) Heating

HEATING, Infra-red, Gelatin. See GELATIN, Determination of moisture, Heating, Infra-red

HEATING, Infra-red, Hydraulic presses, Forging. See FORGING, Presses, Hydraulic, Heaters, Infra-red

HEATING, Infra-red, Moisture determination, Animal glues. See GLUES, Animal, Determination of moisture, Heating, Infra-red

HEATING, Infra red, Moving steel strips. See STRIPS, Steel, Moving, Heating, Infra red

HEATING, Intermittent, Buildings. See BUILDINGS, Heating, Intermittent

HEATING, Low voltage, Curing, Adhesives, Bandings, Edgings, Wood furniture. See FURNITURE, Wood, Edgings Bandings, Adhesives, Curing, Heating, Low voltage

HEATING, Low voltage, Curing, Adhesives, Wood manufactures See WOOD, Manufactures, Adhesive, Curing, Heating, Low voltage

HEATING, Man-made fibres. See MAN-MADE FIBRES, Heating

HEATING, Microwave

Microwave "cookers" in industry. J. E. Curran. New Scientist, 30 (19 May 66) p.450-2. il.

HEATING, Motor coaches. See MOTOR COACHES, Heating

HEATING, Natural gas fired, Refractory metals production. See METALS, Refractory, Production, Heating, Natural gas fired

HEATING, Office buildings. See OFFICE BUILDINGS, Heating

HEATING, Oil-fired, Buildings. See BUILDINGS, Heating, Oil-fired

HEATING, Oil-fired, Depots, Locomotive maintenance. See LOCOMOTIVES, Maintenance, Depots, Heating, Oil-fired

HEATING, Oil-fired, Foundries, Packaging machine manufactures. See PACKAGING, Machines, Manufactures, Foundries, Heating, Oil-fired

HEATING, Oil-fired, Fuel pumps

Sundstrand fuel units. pt.1. D. Parsons. Oil Firing, 7 (Mar 66) p.18-20. il.

Sundstrand fuel units, pt.2. D. Parsons. Oil Firing, 8 (Apr 66) p.24-6. il.

Sundstrand fuel units, pt.3 D. Parsons. Oil Firing, 8 (May 66) p.16-18. il.

Sundstrand fuel units: installation, operation, maintenance and servicing, pt.4. Oil Firing, 8 (Jun 66) p.20-2. il.

Sundstrand fuel units: installation, operation, maintenance and servicing, pt. 5. D. Parson. Oil Firing, 8 (Jul/Aug 66) p.15-17. il.

Sundstrand fuel units: installation, operation, maintenance and servicing, pt.6. D. Parsons. Oil & Gas Firing, 1 (Oct 66) p.20-1. il.

HEATING, Oil fired, Hangars, Aircraft manufactures. See AIRCRAFT, Manufactures, Hangars, Heating, Oil fired

HEATING, Oil-fired, Houses. See HOUSES, Heating, Oil-fired

HEATING, Oil-fired, Housing. See HOUSING, Heating, Oil-fired

HEATING, Oil-fired, Office buildings. See OFFICE BUILDINGS, Heating, Oil-fired

HEATING, Oil-fired, Poultry houses. See POULTRY, Houses, Heating, Oil-fired

HEATING, Oil-fired, Swimming baths. See SWIMMING BATHS, Heating, Oil-fired

HEATING, Plastics manufactures. See PLASTICS, Manufactures, Heating

HEATING, Prefabricated houses. See HOUSES, Prefabricated, Heating

HEATING, Prefabrication, Housing. See HOUSING, Prefabrication, Heating

HEATING, R.F., Closing, Thermoplastics, Uppers, Shoes. See SHOES, Uppers, Thermoplastics, Closing, Heating, R.F.

HEATING, R.F., Curing, Adhesives, Wood coffin manufactures. See COFFINS, Wood, Manufactures, Adhesives, Curing, Heating, R.F.

HEATING, R.F., Curing, Adhesives, Wood furniture manufactures. See FURNITURE, Wood, Manufactures, Adhesives, Curing, Heating, R.F.

HEATING, R.F., Curing, Adhesives, Wood furniture manufactures, Bedrooms. See BEDROOMS, Furniture, Wood, Manufactures, Adhesives, Curing, Heating, R.F.

HEATING, R.F., Curing, Adhesives, Wood furniture manufactures, Kitchens. See KITCHENS, Furniture, Wood, Manufactures, Adhesive, Curing, Heating, R.F.

HEATING, R.F., Curing, Adhesives, Wood manufactures. See WOOD, Manufactures, Adhesives, Curing, Heating, R.F.

HEATING, R.F., Lipping, Wood, Flush doors. See DOORS, Flush, Wood, Lipping, Heating, R.F.

HEATING, Radiant, Buildings. See BUILDINGS, Heating, Radiant

HEATING, Rolling stock, Passenger, Railways. See ROLLING STOCK (Passenger, Railways)

HEATING, Secondary schools. See SCHOOLS, Secondary, Heating

HEATING, Ships. See SHIPS, Heating

HEATING, Small bore, Housing. See HOUSING, Heating, Small bore

HEATING, Solar energy, Effect on adhesives, Laminated wood beams. See BEAMS, Wood, Laminated, Adhesives, Effect of solar heating

HEATING, Spontaneous, Coal. See COAL, Heating, Spontaneous

HEATING, Steam, Petroleum, Tankers. See TANKERS, Ships, Petroleum, Heating, Steam

HEATING, Steel alloy, Billets. See BILLETS, Steel, Alloy, Heating

HEATING, Substrates, Vacuum deposition, Films. See FILMS, Vacuum deposition, Substrates, Heating

HEATING, Sugar production. See SUGAR, Production, Heating

HEATING, Swimming baths. See SWIMMING BATHS, Heating

HEATING, Textile manufactures. See TEXTILES, Manufactures, Heating

HEATING, Textured filament nylon yarns manufactures. See YARNS, Nylon, Filament, Textured, Manufactures, Heating

HEATING, Thermal storage, Hostels. See HOSTELS, Heating, Thermal storage

HEATING, Time, Correlation with diamagnetic susceptibility, Chars. See CHARS, Diamagnetic susceptibility, Correlation with heating time

HEATING, Towers, Aerials, Microwave radio. See RADIO, Microwave, Aerials, Towers, Heating

HEATING, University buildings. See UNIVERSITY BUILDINGS, Heating

HEATING, Vacuum, Gas emission, Metals. See METALS, Gas emission, Vacuum, Heating

HEATING, Water. See WATER, Heating

HEATING, Water, Houses. See HOUSES, Water, Heating

HEATING, Water, Housing. See HOUSING, Water, Heating

HEATING, Workshops, Airless spraying, Paint, Under-bodies, Railways, Rolling stock. See ROLLING STOCK (Railways) Underbodies, Paint, Spraying, Airless, Workshops, Heating

HEATING, X-ray diffractometer attachments. See X-RAYS, Diffractometers, Heating attachments

HEAVY HYDROGEN. See DEUTERIUM

HEAVY MEDIUM FLOTATION, Coal. See COAL, Flotation, Heavy medium

HEAVY MEDIUM FLOTATION, Fluorspar. See FLUORSPAR, Flotation, Heavy medium

HEAVY MEDIUM SEPARATION, Mineral dressing. See MINERAL DRESSING, Separation, Heavy medium

HEAVY WATER, Determination in water. See WATER, Determination of heavy water

HEAVY WATER MODERATED NUCLEAR REACTORS. See NUCLEAR REACTORS, Heavy water moderated

HEAVY WATER MODERATED NUCLEAR REACTORS, Air pollution. See AIR POLLUTION, Nuclear reactors, Heavy water

HEAVY WATER MODERATED SUB-CRITICAL ASSEMBLIES. See SUB-CRITICAL ASSEMBLIES, Heavy water moderated

HEEMSKERK
See
CHURCHES, Heemskerk

HEIDELBERG
See
TRAMWAYS, Mannheim–Heidelberg

HEIGHT, Chimneys, Air pollution. See AIR POLLUTION, Chimneys, Height

HEIGHT, Determination, Chimneys, Power stations. See POWER STATIONS, Chimneys, Height, Determination

HEIGHT, Rooms, Buildings. See BUILDINGS, Rooms, Height

HEIGHT, Storeys, Housing. See HOUSING, Storeys, Height

HELICAL GEARS. See GEARS, Helical

HELICAL SCAN VIDEOTAPE RECORDERS, Recording, Television. See TELEVISION, Recording, Videotape recorders, Helical scan

HELICAL SEPARATION, Flow, Sewers, Stormwater. See STORMWATER, Sewers, Flow, Separation, Helical

HELICAL SPRINGS. See SPRINGS, Helical

HELICAL SPRINGS, Motor cars. See MOTOR CARS, Springs, Helical

HELICAL STAIRCASES. See STAIRCASES, Helical

HELICAL WAVEGUIDES. See WAVEGUIDES, Helical

HELICAL WELDING, Metals, Strips, Tubes. See TUBES, Strips, Metals, Welding, Helical

HELICALLY WELDED STAINLESS STEEL, Pipes. See PIPES, Steel, Stainless, Helically welded

HELICON WAVES, Indium, Cylinders. See CYLINDERS, Indium, Helicon waves

HELICON WAVES, Sodium, Cylinders. See CYLINDERS, Sodium, Helicon waves

HELICOPTER CARRYING HOVERCRAFT. See HOVERCRAFT, Helicopter carrying

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HELICOPTERS, Accessories, Manufactures, Great Britain

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HELICOPTERS, Engines, Manufactures, Great Britain

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HELICOPTERS, Great Britain

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HELICOPTERS, Inspection, Overhead power transmission lines. See POWER TRANSMISSION LINES, Overhead, Inspection, Helicopters

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HELICOPTERS, Military, Austria

Flying with the Austrian Air Force. Helicopter & Hovercraft World, 9 (Jan 66) p.13-14. il.

HELICOPTERS, Military, Great Britain

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HELICOPTERS, Naval, Control systems

Control of anti-submarine helicopters. W. H. Sear. Helicopter & Hovercraft World, 9 (Mar 66) p.77-8. il.

HELICOPTERS, Navigation systems, Radar, Doppler

Decca extend helicopter-aid interests. Helicopter & Hovercraft World, 9 (Jan 66) p.22-3. il.

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HELICOPTERS, Rescue operations
Salute to the winchmen. M. Witt. Hovercraft World, 9 (Feb 66) p.16-8. il.

HELICOPTERS, Rotor blade—Fuselage—Wing interference
Theory of the aerodynamic interference between a helicopter rotor blade and a fuselage and wing in hovering and forward flight. A. R. S. Bramwell. J. of Sound & Vibration, 3 (May 66) p.355-83. il. refs.

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HELICOPTERS, Rotors, Boundary layer, Control, Cylinders, Rotating
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Method for measuring aerodynamic damping of helicopter rotors in forward flight. B. E. Grant. J. of Sound & Vibration, 3 (May 66) p.407-21. il. refs.

HELICOPTERS, Rotors, Performance
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HELICOPTERS, Structures, Plastics, Reinforced—Glass fibre
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HELICOPTERS, Transport, Hong Kong
Helicoptering round Hong Kong. Helicopter and Hovercraft World, 9 (Jan 66) p.16-17. il.

HELICOPTERS, Transport, Off-shore drilling, Petroleum. See PETROLEUM, Drilling, Off-shore, Helicopter transport

HELICOPTERS, Types, Bell Jet Ranger
Flying the Bell Jet Ranger. B. Arkell. Helicopter & Hovercraft World, 9 (Oct 66) p.313-14. il.

HELICOPTERS, Types, Beta 200
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HELICOPTERS, Types, Brantly 305
Flying the Brantly 305. B. Arkell. Helicopter & Hovercraft World, 9 (Feb 66) p.44-5. il.

HELICOPTERS, Types, Hughes OH-6A
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DIQUAT
4-HYDROXYBENZONITRILE
PARAQUAT
2-TRIFLUOROMETHYLBENZIMIDAZOLES

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ADENINE
1-ALKOXY-9-ALKYLADENINE SALTS
9-ALKYLADENINE-1-OXIDES
6-ALKYL-5-CYANOURACILS
2-AMINOTHIAZOLE
CYANURIC CHLORIDE
DIAZIRIDINES
DIAZIRINES
DIBENZOTHIOPHENE
2,3-DIPHENYLINDOLE
DIQUAT DIBROMIDE
1,2-DITHIOL-3-THIONE
3*H*-1,2-DITHIOL-3-THIONES
EPOXIDES
EPOXY ESTERS
ETHYLENE OXIDE
1-ETHYLPIPERIDINE
FLAVONES
5-FLUORO-OROTIC ACID
FUROCOUMARINS
β-GLYCOSIDES, Aromatic
GLYCOSYL

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P-HYDROXYBENZOYLVITEXIN
5-HYDROXYMETHYLFURFURAL ETHERS
1-HYDROXYPIPERIDINE
HYDROXYQUINOLINE
INDOLE
3-ISOADENOSINE
3-ISOADENOSINE 5-PHOSPHATE
5-METHYLFURFURYL ALCOHOL
4-METHYLQUINOLINE
METHYL THIOPHENES
MONOCHLOROALKYLPYRIDINES
NAPHTHOQUINOLINES
8-OXA-1-AZABICYCLO [4.3.0] NONANES
2-OXABICYCLO(3.3.0)-OCTA-3,7-DIENE
2-OXAZOLIDINONES
4-OXO-2-THIO-3, 4-DIHYDRO-1,3-2H-THIAZINE
PARAQUAT DICHLORIDE
2-PENTYL-FURAN
PERFLUOROPYRAZINE
PERFLUOROPYRIMIDINE
1-PHENETHYL-4-CARBETHOXY-2-OXO-3-HYDROXY-PHENIDONE
PHYTOL EPOXIDES
PROPYLENE OXIDE
PURINES
PYRIDINE
2-PYRIDINE OXIMES
PYRROLINE
QUINOLINE
1,2,4,5,-TETRACHLORO-3-NITROBENZENE
TETRACHLOROPYRAMIDINE
TETRACHLOROPYRAZINE
TETRAHYDROFURAN
TETRAHYDROFURFURYL ALCOHOL
THIOPHENE
TRICHLOROISOCYANURIC ACID
2,4,6 TRICHLOROPHENOL
2-TRIFLUOROMETHYLBENZIMIDAZOLES
TRIOXANE
O-d-XYLOSYLVITEXIN

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ANVILS, Tetrahedral

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HOT DIPPING, Aluminised steel, Heat exchangers, Town gas appliances. See GAS (Town) Appliances, Heat exchangers, Steel, Aluminised, Hot dip

HOT DIPPING, Aluminising, Steel, Wires. See WIRES, Steel, Aluminising, Hot dip

HOT DIPPING, Galvanising. See GALVANISING, Hot dip

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HOT DIPPING, Galvanising, Wires. See WIRES, Galvanising, Hot dip

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HOT GASES. See GASES, Hot

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HOT PLATES, Impinging drops, Water. See WATER, Drops, Impinging, Hot plates

HOT PRESSING, Ceramics, Powders. See POWDERS, Ceramics, Hot pressing

HOT PRESSING, Powders. See POWDERS, Hot pressing

HOT PRESSING, Powders, Carbides. See CARBIDES, Powders, Hot pressing

HOT PRESSING, Steel, Ingots, Races, Ball bearings. See BEARINGS, Ball, Races, Ingots, Steel, Hot pressing

HOT PRESSING, Steel, Ingots, Races, Roller bearings. See BEARINGS, Roller, Races, Ingots, Steel, Hot pressing

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HOT ROLLED STEEL–MANGANESE PLATES. See PLATES, Steel–Manganese, Hot rolled

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HOT ROLLING, Aluminium alloy, Sheets. See. SHEETS, Aluminium alloy, Rolling, Hot

HOT ROLLING, Gases removal, Porosity, Bars, Copper wire manufactures. See WIRES, Copper, Manufactures, Bars, Porosity, Gases, Removal, Rolling, Hot

HOT ROLLING, Profiled shafts. See SHAFTS, Profiled, Rolling, Hot

HOT ROLLING, Steel, Bars. See BARS, Steel, Rolling, Hot

HOT ROLLING, Steel, Billets. See BILLETS, Steel, Rolling, Hot

HOT ROLLING, Steel, Rods. See RODS, Steel, Rolling, Hot

HOT ROLLING, Steel, Slabs. See SLABS, Steel, Rolling, Hot

HOT ROLLING, Steel, Sheets. See SHEETS, Steel, Rolling, Hot

HOT ROLLING, Steel, Strips. See STRIPS, Steel, Rolling, Hot

HOT ROLLING, Teeth, Gears. See GEARS, Teeth, Rolling, Hot

HOT SHORTNESS, Forging. See FORGING, Hot shortness

HOT SPOTS, Explosions. See EXPLOSIONS, Hot spots

HOT SPRAYING, Paint. See PAINT, Spraying, Hot

HOT SPRAYING, Paint, Bodies, Motor vehicles. See MOTOR VEHICLES, Bodies, Paint, Spraying, Hot

HOT SPRAYING, Paint, Finishing, Wood, Furniture. See FURNITURE, Wood, Finishing, Paint, Spraying, HOT SPRAYING, Painting, Tiles, Ceilings. See CEILINGS, Tiles, Painting, Spraying, Hot

HOT STAGE MICROSCOPES, Coal. See COAL, Microscopes, Hot stage

HOT STAGES, Microscopes. See MICROSCOPES, Hot stages

HOT STAGES, Microscopes, Deformation studies, Cans, Fuel elements, Nuclear reactors. See NUCLEAR REACTORS, Fuel elements, Cans, Deformation, Studies, Microscopes, Hot stages

HOT STAMPING, Printing. See PRINTING, Hot stamping

HOT STEEL. See STEEL, Hot

HOT STEEL BILLETS. See BILLETS, Steel, Hot

HOT WATER, Launderettes. See LAUNDERETTES, Water, Hot

HOT WATER HEATING, Buildings. See BUILDINGS, Heating, Hot water

HOT WATER HEATING, Housing. See HOUSING, Heating, Hot water

HOT WIRE ANEMOMETERS, Transition studies, Separated laminar boundary layer. See BOUNDARY LAYER, Laminar, Separated, Transition, Studies, Anemometers, Hot wire

HOT WIRE CUTTING, Expanded polystyrene. See POLYSTYRENE, Expanded, Cutting, Hot wire

HOT WORKING
Related Headings:
AUSFORMING

HOT WORKING, Austenitic stainless steel. See STEEL, Stainless, Austenitic, Hot working

HOTELS
Related Headings:
MOTELS

HOTELS, Air conditioning
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Armourplate assembly: Cardiff [Angel Hotel] Glass Age, 9 (May 66) p.46. il.

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CARPET SWEEPERS
COOKERS
DISHWASHERS
FOOD, Mixing, Household equipment
IRONING BOARDS
KITCHENWARE
PRESSURE COOKERS
SHOWERS, Baths
VACUUM CLEANERS
WASHING MACHINES

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HOUSES

Related Headings:

CHILDREN'S HOMES

HOUSES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Standards

Technical activities
  Design
    Architects
  Construction
  Conversion
  Interior decoration

Parts and services
  Components
  Frames
  Panels
  Foundations
  Walls
  Windows
  Rooms
    Lounges
  Kitchens
  Bathrooms
  Atriums
  Balconies
  Conservatories
  Solariums
  Fireplaces
  Heating
  Water

Kinds of houses
  By material
    Wood
    Stone
    Concrete
    Steel
  By method of construction
    Prefabricated
    Demountable
    Mobile

  By form
    Patio
    Deltahedron

  By environment
    Tropics

HOUSES, Architects
Erskine at home: house–office, Drottningholm, Sweden. Architectural Rev., 140 (Dec 66) p.427-31. il.

HOUSES, Atriums, Windows
Glazing to atrium: house at Piedmont, California, USA. Architects' J., 142 (8 Dec 65) p.1377-8, il.

HOUSES, Balconies
Balcony and eaves: terrace houses at Lauttasaari, Helsinki, Finland. Architects' J., 143 (30 Mar 66) p.825-6. il.

HOUSES, Bathrooms, Interior decoration
Scheming a bathroom. M. Hopwood. Painting & Decorating, 86 (Apr 66) p.22-3. il.

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Chemical industry creates an Irish home [ICI (Ireland) Ltd.] J. S. Watkins. Chemistry & Industry (20 Aug 66) p.1451-2. il.
ICI build an 'Irish Home'. Surveyor, 128 (9 Jul 66) p.55. il.
Plastics in house-building. Building, 210 (8 Jul 66) p.113-14. il.

HOUSES, Components, Wood
House at Hardegarijp. Wood, 31 (Oct 66) p.36-7. il.

HOUSES, Concrete, Lightweight, Prefabricated
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Application of the regulations to erection of 'conservatories'. R. Seery. Municipal Engng., 143 (5 Aug 66) p.1567
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Building regulations as applied to conservatories. G. B. France. Municipal Engng., 143 (18 Mar 66) p.569+
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Converting and insulating a 15th century coach house. Insulation, 10 (Jan/Feb 66) p.29. il.

HOUSES, Conversion from stables, Interior decoration, Wood
Conversion of stable: wood used for interior finishes and fittings. Wood, 31 (Sep 66) p.28-9. il.

HOUSES, Deltahedron
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Understanding industrialisation: spatial unit systems—comparative study. K. Claxton. Official Architecture & Planning, 29 (Aug 66) p.1179+. il.

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Oldest material—newest method [Potterton] Industrial Gas, 52 (Jan 66) p.6-7. il.

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Future of oil, pt.2. J. Hughes. Oil Firing, 7 (Mar 66) p.27-9
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Redecoration of a lounge. L. J. Dalton. Painting & Decorating, 86 (Oct 66) p.28-9. il.
Scheming a modern lounge. L. J. Dalton. Painting & Decorating, 86 (Mar 66) p.30-1. il.

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Wall panel system: two-storey housing at Albertslund Syd, Copenhagen, Denmark. Architects' J., 144 (27 Jul 66) p.225-6. il.

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New-and-old blend for design variety. Municipal J., 74 (25 Feb 66) p.611-12. il.
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West Ham housing. Architectural Design, 36 (Aug 66) p.384-7. il.

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5M programme: 'B' programme. Architectural Design, 36 (Aug 66) p.391-2. il.
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Seven-day home built in six days [Fownhope Design Home] Industrialised Building, 3 (Aug 66) p.17+. il.

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Industrialised housing. Pt.6: concrete frame with timber framed cladding. J. Woodward. Architect's J., 143 (4 May 66) p.1149-56. il.

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Calverley system. R. M. E. Diamant. Architect & Building News, 229 (12 Jan 66) p.71-3. il.

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Fast erection on South Wales site. Industrialised Building, 3 (Mar 66) p.54+. il.

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Small estates at economic prices: prototype terrace block launches Industricon system. Industrialised Building, 3 (Mar 66) p.60+. il.

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Cross walls and timber panels. Industrialised Building, 3 (Jul 66) p.15+. il.
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Towcon houses at King's Lynn. Architects' J., 143 (5 Jan 66) p.14-15. il.

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Low-rise, medium density housing. Building, 210 (25 Mar 66) p.103-4. il.

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Pilot scheme for Sherwood low-rise system. .Industrialised Building, 3 (Apr 66) p.52+. il.

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Steel, asbestos-cement and timber house. Industrialised Building, 3 (Jun 66) p.55+. il.

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Tracoba low-rise housing system: prototype dwellings completed on Northamptonshire site. Industrialised Building, 3 (May 66) p.58+. il.

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Aluminium clad timber frame houses: Weir Multicom units. Surveyor, 127 (19 Mar 66) p.29. il.

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Gosport pilot scheme for XW houses. Industrialised Building, 3 (Jul 66) p.56+. il.

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Solarium roof: House at Hillsborough, California, USA. Architects' J., 143 (15 Jun 66) p.1481-2. il.

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Steel frame system-built houses. Surveyor, 127 (26 Mar 66) p.40. il.

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Stone houses in the Cotswolds. E. Cole. Building, 211 (4 Nov 66) p.95-7. il.

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HOUSES, Wood, Prefabricated
House on Old Slains, Aberdeenshire. Wood, 31 (Aug 66) p.28-30. il.
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Housing. Architectural Design, 36 (Feb 66) p.80-5. il.
Living near the ground. Concrete Q. (Apr/Jun 66) p.13-22. il.
HOUSING
Related Headings:
BUNGALOWS
FLATS
HOUSES
ROCK DWELLINGS

HOUSING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Particular localities
  - *Great Britain*
    - England
      - London
        - *Tower Hamlets*
        - *Greenwich*
        - *Southwark*
        - *Lambeth*
        - *Croydon*
        - *Camden*
        - *Westminster*
        - *Kensington & Chelsea*
        - *Ealing*
        - *Hounslow*
      - *Crawley*
      - *Alfriston*
      - *West Wycombe*
      - *Southend-on-Sea*
      - *Basildon*
      - *Herongate*
      - *Harlow*
      - *Haverhill*
      - *Broadclyst*
      - *Birmingham*
      - *Rotherham*
      - *Sheffield*
      - *Manchester*
      - *Oldham*
      - *Skelmersdale*
      - *Thornaby-on-Tees*
    - Scotland
      - *Airdrie*
      - *Cumbernauld*
      - *Galashiels*
  - *Ireland*
    - *Ballymun (Dublin)*

HOUSING–SUBHEADINGS–Synopsis–cont.

  - France
    - *Forbach*
  - Denmark
    - *Gladsaxe*
  - *Rumania*
  - *Israel*

- Properties
  - *Hygiene*

- Problems
  - *Town planning*

- Technical activities
  - *Design*
  - *Prefabrication*

- Parts & Services
  - *Components*
  - *Frames*
  - *Storeys*
  - *Floors*
  - *Roofs*
  - *Windows*
  - *Kitchens*
  - *Bathrooms*
  - *Engineering services*
  - *Heating*
  - *Air conditioning*
  - *Insulation*
  - *Electrical installations*
  - *Lighting*
  - *Power distribution*
  - *Telephony*
  - *Water*
  - *Sanitary ware*

- *Building materials*

- Types of housing
  - *Fungi infested*
  - By material
    - *Concrete*
    - *Wood*
  - By particular group of occupants
    - *Disabled persons*
    - *Old people*

HOUSING, Air conditioning, U.S.A.
Domestic cooling—a bonanza for the U.S. air conditioning industry. A. W. Stockdale. Modern Refrigeration, 69 (Feb 66) p.143+. il.
HOUSING, Airdrie
Housing at Airdrie. Architect & Building News, 230 (24 Aug 66) p.320-1. il.
HOUSING, Alfriston
Housing at Alfriston. Architect & Building News, 229 (16 Feb 66) p.303-4. il.
HOUSING, Ballymun (Dublin)
Ballymun: £9.5m. industrialised housing scheme. Contract J., 213 (22 Sep 66) p.385-7. il.
Ballymun housing project. Consulting Engr., 30 (Oct 66) p.41+. il.
HOUSING, Basildon
Laindon 4 & 5, Basildon, Essex. Architectural Rev., 139 (Jan 66) p.49. il.
HOUSING, Bathrooms, Prefabricated
Heart units. A. Pike. Architectural Design, 36 (Apr 66) p.204-12. il.
Instant bathrooms with the Modular method [Uni-Fab Ltd.] Ceramics, 17 (Jan 66) p.16-17. il.

HOUSING, Bathrooms, Prefabricated—*cont.*
Prefabricated bathroom unit designed for modernising older houses [Modernite Unit] Industrialised Building, 3 (Feb 66) p.46. il.

HOUSING, Birmingham
Housing, Birmingham [Matchley Grange & Primrose Hill] Architect & Building News, 230 (28 Sep 66) p.553-8. il.
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HOUSING, Camden, Kentish Town
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Housing is for people. C. Ratcliff. Architect & Building News, 229 (26 Jan 66) p.148-53. il.

HOUSING, Cumbernauld, Abronhill South
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Old people's homes and homes for the disabled: space relationships. Architects' J., 144 (19 Oct 66) information sheet 1412. il.

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HOUSING, Electrical installations, Accessories
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Sample survey of damage caused by wood-destroying insects and decay fungi in local authority housing. C. H. Tack. Instn. of Municipal Engrs. J., 93 (May 66) p.209-14. il. refs.

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Oil and the Heating Centre. D. E. Pither. Oil Firing, 8 (May 66) p.22-4

HOUSING, Heating, Oil-fired, Equipment, Safety

Oil heater research results. D. I. Lawson. Fire, 59 (Dec 66) p.332. il.

HOUSING, Heating, Oil-fired, Fuel oil, Storage, Centralised

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Building regulations: their provisions relating to health. R. L. Luck. R. Soc. of Health J., 86 (Mar/Apr 66) p.66-73. il.

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HOUSING, Old people

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HOUSING, Old people, Banstead

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HOUSING, Old people, Bibliographies

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HOUSING, Old people, Interior design

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  Related Headings:
    CANALS
    COASTAL WORKS
    DAMS
    DIVING
    DREDGERS
    DREDGING
    GABIONS
    IRRIGATION
    LAKES
    PENSTOCKS
    PETROLEUM, Handling, Ports, Hydraulic engineering
    PORTS, Hydraulic engineering
    RIVERS
    SEA, Hydraulic engineering
    SLUICE GATES
    SUBMARINE STRUCTURES
    SURGE TANKS
    WATER, Waves, Bores
    WATERCOURSES
    WATERWHEELS
    WEIRS

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DE—INKING

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INSULATING MATERIALS

Related Headings:
- ASBESTOS, Insulating materials

INSULATING MATERIALS, Electrical

Related Headings:
- ALKYD RESINS–GLASS FIBRE, Electrical insulating materials
- ALUMINA, Ceramics, Electrical insulating materials
- BERYLLIA, Ceramics, Electrical insulating materials
- CERAMICS, Electrical insulating materials
- CONDUITS, Electrical
- DIELECTRIC LOSS
- DIELECTRICS
- FILM, Plastics, Electrical insulating materials
- GLASS–MICA, Electrical insulating materials
- NYLON–GLASS FIBRE, Electrical insulating materials
- PAPER, Electrical insulating materials
- PAPER, Tissue, Electrical insulating materials
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INTERIOR DECORATION

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SPLINE FUNCTIONS
INTERPOLATORS
Related Headings:
SQUARERS

INTERPOLATORS, Moiré fringe measurement, Interferometry. See INTERFEROMETRY, Moiré fringes, Measurement, Interpolators

INTERPOLYMERISED DYES. See DYES, Interpolymerised

INTERREFLECTION, Luminance, Lighting. See LIGHTING, Luminance, Interreflection

INTERSECTIONS, Motorways. See MOTORWAYS, Intersections

INTERSECTIONS, Roads. See ROADS, Intersections

INTERSTELLAR ASTRONAUTICS. See ASTRONAUTICS, Interstellar

INTERSTITIALS, Effect on cross slip, Iron. See IRON, Cross slip, Effect of interstitial atoms

INTERSTITIALS, Plastic deformation, Iron–Carbon. See IRON–CARBON, Plastic deformation, Interstitial atoms

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PATENTS

INVERNESS-SHIRE
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ROADS, Inverness-shire

INVERSE SQUARE LAW, Elliptical motion. See ELLIPTICAL MOTION, Inverse square law

INVERSION, Twinning, Single crystals, Beryllia. See BERYLLIA, Crystals, Single, Twinning, Inversion

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IODINE COMPLEXES, Lubrication, Stainless steel. See STEEL, Stainless, Lubrication, Iodine complexes

IODINE COMPLEXES, Lubrication, Titanium. See TITANIUM, Lubrication, Iodine complexes

IODINE MONOCHLORIDE, Chromatography, Paraffins separation, Olefins. See OLEFINS, Paraffins separation, Chromatography, Iodine monochloride

IODINE-131, Fission products, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Fission products, Iodine-131

IODINE–POTASSIUM IODIDE, Solutions, Iodine sorption, Polyamides. See POLYAMIDES, Iodine sorption, Iodine–Potassium iodide solutions

IODINE QUARTZ LAMPS. See LAMPS, Quartz iodine

IODOHIPPURATES, Adsorption, Sodium o-iodohippurate solutions, Corrosion inhibitors, Iron. See IRON, Corrosion inhibitors, Sodium o-iodohippurate solutions, Iodohippurates adsorption

IODOMETRY, Organoaluminium compound determination, Catalysts, Polymerisation, Polyolefins production. See POLYOLEFINS, Production, Polymerisation, Catalysts, Organoaluminium compounds, Determination, Iodometry

IODOMETRY, Oxygen determination, Di-*t*-butylperoxide. See DI-*t*-BUTYLPEROXIDE, Determination of oxygen, Iodometry

IODOMETRY, Sulphur determination, Potassium thiocarbonate. See POTASSIUM THIOCARBONATE, Determination of sulphur, Iodometry

ION. See also IONS

ION BOMBARDMENT, Glass. See GLASS, Ion bombardment

ION BOMBARDMENT, Secondary electron emission, Metals. See METALS, Electron emission, Secondary, Ion bombardment

ION BOMBARDMENT, Tungsten. See TUNGSTEN, Ion bombardment

ION-ELECTRON COLLISIONS. See ELECTRON-ION COLLISIONS

ION EXCHANGE, Chromatography, Adenine determination, Gelatin, Emulsions, Photography. See PHOTOGRAPHY, Emulsions, Gelatin, Determination of adenine, Chromatography, Ion exchange

ION EXCHANGE, Chromatography, Benzoic acid determination, Soft drinks. See DRINKS, Soft, Determination of benzoic acid, Chromatography, Ion exchange

ION EXCHANGE, Chromatography, Galactinol determination, Molasses. See MOLASSES, Determination of galactinol, Chromatography, Ion exchange

ION EXCHANGE, Chromatography, Guanine determination, Gelatin, Emulsions, Photography. See PHOTOGRAPHY, Emulsions, Determination of guanine, Chromatography, Ion exchange

ION EXCHANGE, Chromatography, Ozone products, Oxidation, Humic acids. See HUMIC ACIDS, Oxidation, Ozone, Products, Chromatography, Ion exchange

ION EXCHANGE, Clarification, Juices, Grapes. See GRAPES, Juices, Clarification, Ion exchange

ION EXCHANGE, Conversion, Saline water. See WATER, Saline, Conversion, Ion exchange

ION EXCHANGE, Diquat residues determination, Potatoes. See POTATOES, Determination of diquat residues, Ion exchange

ION EXCHANGE, Feedwater, Boilers, Ships See SHIPS, Boilers, Feedwater, Ion exchange

ION EXCHANGE, Fuel cells. See FUEL CELLS, Ion exchange

ION EXCHANGE, Mineral dressing, Uranium ores. See URANIUM, Ores, Mineral dressing, Ion exchange

ION EXCHANGE, Orange juice determination, Soft drinks. See DRINKS, Soft, Determination of orange juice, Ion exchange

ION EXCHANGE, Organic materials, Pollution, Water. See WATER, Pollution, Organic materials, Ion exchange

ION EXCHANGE, Purification, Feedwater, Boilers. See BOILERS, Feedwater, Treatment, Ion exchange
See ALKALI HALIDES, Solubility, Water, Correlation with ionic radii

ION EXCHANGE, Resins, Copolymers, Divinylbenzene-Styrene. See DIVINYLBENZENE-STYRENE, Copolymers, Ion exchange resins

ION EXCHANGE, Resins, Softening, Water. See WATER, Softening, Ion exchange resins

ION EXCHANGE, Separation, Biological materials. See BIOLOGICAL MATERIALS, Separation, Ion exchange

ION EXCHANGE, Toughening, Sodium aluminosilicate glass. See GLASS, Sodium aluminosilicate, Toughening, Ion exchange

ION FLOTATION. See FOAM SEPARATION

ION GETTER PUMPS, Electron tube manufactures. See ELECTRON TUBES, Manufactures, Ion getter pumps

ION GETTERS, Barium, Tubes, Receivers, Television. See TELEVISION, Receivers, Tubes, Ion getters, Barium

ION PERMEABILITY, Coatings. See COATINGS, Ion permeability

IONIC DISCHARGE, Loudspeakers. See LOUDSPEAKERS, Ionic discharge

IONIC POLYMERISATION. See POLYMERISATION, Ionic

IONISATION
Related Headings:
PROTONATION

IONISATION, Argon. See ARGON, Ionisation

IONISATION, Gases. See GASES, Ionisation

IONISATION, Potentials, Methylated thiourea. See THIOUREA, Methylated, Ionisation potentials

IONISATION, Vapour, Caesium. See CAESIUM, Vapour, Ionisation

IONISATION, Vapour, Mercury. See MERCURY, Vapour, Ionisation

IONISATION, Vapour, Rubidium. See RUBIDIUM, Vapour, Ionisation

IONISATION CHAMBERS, Fire detection, Ships. See SHIPS, Fires, Detection, Ionisation chambers

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IONOSPHERE, Research, Satellites, Artificial
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IONS. See also ION

IONS, Drift tubes. See DRIFT TUBES, Ions

IONS, Impurities, Semiconductors. See SEMICONDUCTORS, Impurities, Ions

IONS, Metals, Linking, Thermoplastics. See THERMOPLASTICS, Metal ion linked

IONS, Positive, Accelerators. See ACCELERATORS, Positive ion

IONS, Positive, Alkali metals. See ALKALI METALS, Positive ions

IONS, Positive, Gas discharge, Compressed methane. See METHANE, Compressed, Gas discharge, Positive ions

IONS, Positive, Gas discharge, Compressed nitrogen. See NITROGEN, Compressed, Gas discharge, Positive

IONS, Positive, Irradiation, Loops, Dislocations, Copper, Foil. See FOIL, Copper, Dislocations, Loops, Irradiation, Positive ions

IONS, Positive, Irradiation, Vacancies, Copper, Foil. See FOIL, Copper, Vacancies, (Irradiation, Positive ions)

IONS, Radii, Correlation with viscosity, Molten nitrates. See NITRATES, Molten, Viscosity, Correlation with ionic radii

IONS, Radii, Correlation with water solubility, Alkali halides. See ALKALI HALIDES, Solubility, Water, Correlation with ionic radii

IONS, Recombination with electrons, Afterglows, Gas discharge, Nitrogen. See NITROGEN, Gas discharge, Afterglows, Electron–Ion recombination

IONS, Transfer, Collodion membranes, Electrodialysis. See ELECTRODIALYSIS, Membranes, Collodion, Ions transfer

IONS, Transfer, Electrolytes, Molten alkali nitrates. See ALKALI NITRATES, Molten, Electrolytes, Ion transfer

IONS, Waves, Cylindrical plasmas. See PLASMAS, Cylindrical, Ion waves

IONS, Waves, Electron distribution modification, Thermionic gas discharge tubes. See ELECTRON TUBES, Gas discharge, Thermionic, Electron distribution, Modification, Ion waves

IOWA
See
DRAKE UNIVERSITY

IPSWICH
See
TOWN PLANNING, Ipswich

IRAN
See
DAMS, Farahnaz Pahlavi
HYDROELECTRIC POWER, Iran
INDUSTRIAL RESEARCH, Iran
PETROLEUM, Pipelines, Iran
PORTS, Khorramshahr
RAILWAYS, Iran

IRAQ
See
AIRPORTS, Baghdad
FLYOVERS, Baghdad
RAILWAYS, Iraq
ROADS, Town planning, Baghdad

IRELAND
See
ARCHITECTURE, Dublin
ARCHITECTURE, Ireland
BUSES, Transport, Cork
BUSES, Transport, Dublin
CHEMICAL TECHNOLOGY, Ireland
CHURCHES, Athy
CHURCHES, Collinstown
CHURCHES, Ireland
CHURCHES, Knockanure
CHURCHES, Milford (Donegal County)
DAIRY INDUSTRY, Ireland
EDUCATIONAL BUILDINGS, Ireland
ENGINEERING, Ireland
HOUSING, Ballymun (Dublin)
HOUSING, Ireland
INDUSTRIAL BUILDINGS, Ireland
INDUSTRIAL RESEARCH, Ireland
METALS, Mining, Tynagh
MINING, Ireland
MOTOR COACHES, Operation, Cork
OFFICE BUILDINGS, Ireland
ORES, Deposits, Tynagh
PACKAGING, Design, Ireland
PEAT, Ireland
PUBLIC BUILDINGS, Ireland
RAILWAYS, Ireland
ROYAL DUBLIN SOCIETY, Dublin

IRELAND
See–*cont.*
THEATRES, Dublin
TOWN & COUNTRY PLANNING, Ireland
TOWN PLANNING, Dublin

IRELAND, Northern. See NORTHERN IRELAND

IRELAND. NATIONAL UNIVERSITY

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IRISH SEA
See
GAS, Natural, Irish Sea

IRKUTSK
See
TRAMWAYS, Irkutsk

IRON
Related Headings:
STEEL

IRON–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Research

Properties
  Mechanical properties
    Cross slip
    Tensile strength
  Magnetisation
  Chemistry
    Corrosion
    Scaling
    Inclusions

Technical activities
  Ores
    Prospecting
    Mining
  Analysis
    Determination
    Spot tests
  Production
  Manufactures
    Melting
    Foundry practice
    Casting
      Die casting
    Powder metallurgy
    Heat treatment
      Recrystallisation
    Strain ageing

Types of Iron
  Liquid

  Body centred cubic
  Alpha

  Pig
  Cast
    Grey
    White
    Nodular
    Malleable

IRON—SUBHEADINGS—Synopsis—*cont.*

Wrought
Zone refined
Armco
Nitrided
Cold worked

Alloys

IRON, Alloys, Flow stress, Subgrain boundaries
Effect of subgrain size on the flow stress of iron. J. D. Baird. J. of Iron & Steel Inst., 204 (Jan 66) p.44-5. il. refs.

IRON, Alpha, Crystals, Single, Flow stress, Thermal, Effect of carbon
Note on the influence of carbon concentration on the thermal flow stress. R. Burbach, B. L. Mordike & P. Haasen. J. of Iron & Steel Inst., 204 (Apr 66) p.390-1. il. refs.

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IRON, Armco, Cathodes. See CATHODES, Iron, Armco

IRON, Armco, Machining, Effect of inclusions, Non metallic
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IRON, Cast
Related Headings:
CUPOLAS

IRON, Cast, Camshafts, Engines, Motor cars. See MOTOR CARS, Engines, Camshafts, Iron, Cast

IRON, Cast, Casings, Boilers, Sulphuric acid production. See SULPHURIC ACID, Production, Boilers, Casings, Iron, Cast

IRON, Cast, Chill, Mottle defects, Effect of boron
Promotion of chilled and mottled iron structures with boron additions. T. Ensor. Brit. Foundryman, 59 (Apr 66) p.157-67. il. refs.

IRON, Cast, Cooking utensils. See COOKING UTENSILS, Iron, Cast

IRON, Cast, Corrosion, Aluminium, Molten
Corrosion of cast iron by molten aluminium. F. A. Mountford & T. J. Glover. Foundry Trade J., 120 (23 Jun 66) p.849-852. il refs.

IRON, Cast, Cylinders. See CYLINDERS, Iron, Cast

IRON, Cast, Cylinders, Diesel engines. See DIESEL ENGINES, Cylinders, Iron, Cast

IRON, Cast, Cylinders, Drying, Papermaking. See PAPERMAKING, Drying, Cylinders, Iron, Cast

IRON, Cast, Determination of silicon, Titrations
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IRON, Cast, Friction, Internal
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IRON, Cast, Heat treatment, Growth
Effect of heat treatments involving heating through the critical temperature range on the subsequent scaling and growth properties of flake graphite cast irons at 400° and 500°C. G. N. J. Gilbert. Brit. Foundryman, 59 (Oct 66) p.422-37. il. refs.

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Cupola additive improves cast iron machineability [Ferrocarbo: Carborundum Co. Ltd.] Metalworking Production, 110 (20 Jul 66) p.67-8. il.

IRON, Cast, Melting, Furnaces, Induction
Induction melting for the ferrous foundry. P. W. Ainscow. Metals, 1 (Sep 66) p.46-50. il.

IRON, Cast, Moulds, Die casting, Aluminium. See ALUMINIUM, Die casting, Moulds, Iron, Cast

IRON, Cast, Moulds, Shell
Shaw process foundry produces ornate iron-castings. T. Fujita. Foundry Trade J., 120 (10 Feb 66) p.197-200. il.

IRON, Cast, Pipes. See PIPES, Iron, Cast

IRON, Cast, Pipes, Sulphuric acid production. See SULPHURIC ACID, Production, Pipes, Iron, Cast

IRON, Cast, Research
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IRON, Cast, Strength, Testing
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IRON, Cast, Town gas mains. See GAS (Town) Mains, Iron, Cast

IRON, Casting, Coremaking, Mechanical handling
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IRON, Casting, Moulds, Binders, Dicalcium silicate
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IRON, Cold worked, Corrosion
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IRON, Corrosion, Inhibitors, Technetium compounds
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IRON, Cross slip, Effect of interstitial atoms
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IRON, Determination, Leather. See LEATHER, Determination of iron

IRON, Determination, Organic chemicals. See ORGANIC CHEMICALS, Determination of iron

IRON, Determination, Sodium borate glass. See GLASS, Sodium borate, Determination of iron

IRON, Determination, Sodium silicate glass. See GLASS, Sodium silicate, Determination of iron

IRON, Determination, Spectrophotometry, Reagents, 2-mercaptopyridine–oxide
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- OPACITY
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- QUARTER-WAVE PLATES

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- *Research*

- Technical activities
  - *Design*
  - *Manufactures*
  - *Maintenance*
  - *Driving*

- Parts
  - *Components*
  - *Wheels*
    - *Tyres*
  - Instruments
    - *Speedometers*

- Types
  - *Diesel*
  - *Diesel-electric*
  - *Diesel-hydraulic*
  - *Electric*
    - *Fuel cells*
  - *Steam*

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LOCOMOTIVES, Diesel, Coal mining. See COAL, Mining, Locomotives, Diesel

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M.F.C. SYSTEM, Prefabricated houses. See HOUSES, Prefabricated, M.F.C. system

M.G. MGB GT CARS. See MOTOR CARS, Types, M.G. MGB

M.G. MGB GT COUPE CARS. See MOTOR CARS, Types, M.G. MGB GT coupe

M.G. MIDGET CARS. See MOTOR CARS, Types, M.G. Midget

MZ MOTOR CYCLES. See MOTOR CYCLES, Types, MZ

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MACADAM, Coated, Bases, Roads. See ROADS, Bases, Macadam, Coated

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MCDONNELL PHANTOM F-4M MILITARY AIRCRAFT. See AIRCRAFT, Military, Types, McDonnell Phantom F-4M

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Related Headings:

- ABRASIVES
- AUTOMATICS, Machine tools
- BORES
- BORING
- CHUCKS
- DRAWING
- DRILLING, Machines
- DRILLS
- GRINDING
- HOBBING
- JIGS
- LUBRICATION
- MACHINING
- MANDRELS
- METALS, Shearing
- MILLING
- PIERCING
- PLANING

MACHINE TOOLS

Related Headings–*cont.*

- PRESS BRAKES
- PRESS TOOLS
- PRESSES, Hydraulic
- PRESSES, Power
- PRESSES, Transfer
- PRESSWORKING
- PUNCHING
- REAMERS
- ROUTING
- SHAPERS
- SWAGING
- TABLES, Rotary
- TOGGLES
- TOOLS, Diamond
- TRANSFER MACHINES
- TURNING

MACHINE TOOLS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
  - *Czechoslovakia*
  - *U.S.A.*

- *Research*
- *Education*
  - *Retraining*

- *Specifications*

- Problems
  - *Vibrations*

- Properties
  - *Accuracy*

- Technical activities
  - *Design*
  - *Manufactures*
  - *Replacement*
  - *Selection*

- *Components*
  - *Structures*
  - *Castings*
  - *Spindles*
  - *Bearings*
  - *Leadscrews*
  - *Cutters*
  - *Toolholders*
  - *Unit heads*
  - *Slideways*
  - *Electric motors*
  - *Hydraulic systems*
  - *Hydro-pneumatic accumulators*
  - *Dials*
  - *Control systems*
  - *Positioning equipment*
  - *Positioning control*
  - *Line followers*

- *Utilisation*

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MACHINE TOOLS, Machining, Bodies, Valves. See VALVES, Bodies, Machining, Machine tools

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MAGNETIC PROPERTIES, Zircon. See ZIRCON, Magnetic properties

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MAKING-UP, Fabrics. See FABRICS, Making-up

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CELLULOSE TRIACETATE, Fibres
CRIMPLENE
DACRON
NYLON, Fibres
NYLON 6, Fibres
NYLON 66, Fibres
P.V.C., Fibres
POLYAMIDES, Fibres
POLYESTER FIBRES
POLYPROPYLENE, Fibres
POLYURETHANE, Fibres
RAYON
TERYLENE
TRICEL

MAN-MADE FIBRES–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - *Degradation*

- Properties
  - Physical properties
    - *Heating*
    - *Heat resistance*
    - *Irradiation*
  - *Chemistry*

- Technical activities
  - *Manufactures*
    - *Finishing*
    - *Dyeing*

- Types of man-made fibres
  - *Bi-component*

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MAN-MADE FIBRES, Fabrics, Knitwear. See KNITWEAR, Fabrics, Man-made fibres

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MELT FLOW INDEX, Extrusion, Acrylonitrile–Butadiene–Styrene. See ACRYLONITRILE–BUTADIENE–STYRENE, Extrusion, Melt flow index

MELT FLOW INDEX, Extrusion, Polystyrene. See POLYSTYRENE, Extrusion, Melt flow index

MELT–QUENCH PROCESS, Sulphuric acid leaching, Beryl, Beryllia production. See BERYLLIA, Production, Beryl, Leaching, Sulphuric acid, Melt–Quench process

MELTING

Related Headings:

ELECTRON BEAM MELTING

RE-MELTING

MELTING, Aluminium. See ALUMINIUM, Melting

MELTING, Cast iron. See IRON, Cast, Melting

MELTING, Cast steel. See STEEL, Cast, Melting

MELTING, Casting, Blackheart malleable iron. See IRON, Malleable, Blackheart, Casting, Melting

MELTING, Copper alloys. See COPPER, Alloys, Melting

MELTING, Cubic crystals. See CRYSTALS, Cubic, Melting

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MELTING, Investment casting. See CASTING, Investment, Melting

MELTING, Iron. See IRON, Melting

MELTING, Pressure, Deformation, Ice. See ICE, Deformation, Melting, Pressure

MELTING, Pressure die casting, Aluminium alloys. See ALUMINIUM, Alloys, Die casting, Pressure, Melting

MELTING, Pressure die casting, Light alloys. See ALLOYS, Light, Die casting, Pressure, Melting

MELTING, Pressure die casting, Zinc alloys. See ZINC, Alloys, Die casting, Pressure, Melting

MELTING, Skull, Investment casting, Reactive metals. See METALS, Reactive, Casting, Investment, Melting, Skull

MELTING, Steel. See STEEL, Melting

MELTING, Steel–Manganese. See STEEL–MANGANESE, Melting

MELTING, Vacuum, Nickel alloys. See NICKEL, Alloys, Melting, Vacuum

MELTING, Zone, Concentration, Flavours, Fruit. See FRUIT, Flavours, Concentration, Zone melting

MELTING POINT, Copolymers, Polymethylene. See POLYMETHYLENE, Copolymers, Melting point

MEMBRANE FILTERS, Escherichia coli determination, Effluents, Sewage treatment. See SEWAGE, Treatment, Effluents, Determination of Escherichia coli, Filtration, Membrane

MEMBRANE FILTERS, Impurities determination, White sugar. See SUGAR, White, Determination of impurities, Filters, Membrane

MEMBRANES, Anion selective, Electrodialysis. See ELECTRODIALYSIS, Membranes, Anion selective

MEMBRANES, Cellulose acetate, Reverse osmosis, Sea water conversion. See SEA, Water, Conversion, Reverse osmosis, Membranes, Cellulose acetate

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MEMBRANES, Ion exchange, Fuel cells. See FUEL CELLS, Ion exchange, Membranes

MEMBRANES, Sound insulation, Cabins, Short take-off aircraft. See AIRCRAFT, Short take-off, Cabins, Sound insulation Membranes

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MERCURY COMPOUNDS, Organic
Related Headings:
ORGANOMERCURY COMPOUNDS
MERCURY-INDIUM. See INDIUM-MERCURY
MERCURY PERCHLORATE, Amperometric titrations, Divalent copper determination. See COPPER, Divalent, Determination, Amperometric titrations, Mercury perchlorate
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MERCURY PISTON PUMPS. See PUMPS, Mercury, Piston
MERCURY SELENIDE, Hall effect magnetometers, Films, Superconducting magnets. See MAGNETS, Superconducting, Films, Magnetometers, Hall effect, Mercury selenide
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METAFORMALDEHYDE. See TRIOXANE
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METAL-CLAD LAMINATES, Printed circuits. See CIRCUITS, Electronics, Printed, Laminates, Metal-clad
METAL-COATED PAPERS, Packaging. See PACKAGING, Papers, Metal-coated
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METAL-OXIDE-SEMICONDUCTOR TRANSISTOR GATE CIRCUITS, Ferrite cores, Storage units, Computers. See COMPUTERS, Storage units, Ferrite cores, Gate circuits, Transistor, Metal-Oxide-Semiconductor
METAL-OXIDE-SEMICONDUCTOR TRANSISTOR TUNERS, Receivers, V.H.F. radio. See RADIO, V.H.F., Receivers, Tuners, Transistor, Metal-Oxide-Semiconductors
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METAL RECTANGULAR PIPES. See PIPES, Rectangular, Metals
METAL-SCALE ENTANGLEMENT, Low alloy steel. See STEEL, Low alloy, Metal-Scale entanglement
METAL-SLAG REACTIONS, Oxygen process, Steel production. See STEEL, Production, Oxygen process, Slag-Metal reactions
METALLIC YARNS, Knitting, Stockings. See STOCKINGS, Knitting, Yarns, Metallic
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METALLURGY

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- ELECTROMETALLURGY
- HYDROMETALLURGY
- IRON, Production
- METALLOGRAPHY
- SMELTING
- STEEL, Production

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METALS

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- ALLOYS
- ALUMINIUM
- ANTIMONY
- BARIUM
- BERYLLIUM
- BISMUTH
- CADMIUM
- CAESIUM
- CHROMIUM
- COBALT

METALS

Related Headings—*cont.*

- COPPER
- GALLIUM
- GERMANIUM
- GOLD
- INDIUM
- IRON
- LEAD
- LITHIUM
- MAGNESIUM
- MANGANESE
- MERCURY
- MOLYBDENUM
- NEODYMIUM
- NICKEL
- NIOBIUM
- NON-FERROUS METALS
- ORES
- OSMIUM
- PALLADIUM
- PLATINUM
- PLATINUM METALS
- PLUTONIUM
- POTASSIUM
- PRECIOUS METALS
- RADIUM
- RARE EARTHS
- RHENIUM
- RHODIUM
- RUBIDIUM
- RUTHENIUM
- SCANDIUM
- SELENIUM
- SILVER
- SODIUM
- STRONTIUM
- TANTALUM
- TELLURIUM
- THORIUM
- TIN
- TITANIUM
- TRANSITION METALS
- TUNGSTEN
- URANIUM
- VANADIUM
- YTTRIUM
- ZINC
- ZIRCONIUM

METALS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Physical & chemical aspects
  - *Electronic structure*
  - *Diffusion*
    - *Gas emission*
  - Mechanical properties
    - *Deformation*
    - *Microstrain*
    - *Superplasticity*
    - *Compression–Tension*
    - *Hardness*
    - *Fatigue*
    - *Creep*
    - *Fracture*
      - *Cracking*
    - *Abrasion*
    - *Friction, Internal*
  - Thermal properties
    - *Emissivity*

METALS–SUBHEADINGS–Synopsis–cont.

- Physical & chemical aspects–cont.
  - Electrical properties
    - *Electrical resistivity*
  - Nuclear properties
    - *Irradiation*
    - *Electron emission*
  - *Crystals*
    - *Grain boundaries*
    - *Grain boundary sliding*
    - *Stacking faults*
  - Chemistry
    - *Impurities*
    - Analysis
      - *Determination of...*
    - *Solvent extraction*

- Technical activities
  - *Mining*
  - *Production*
  - *Manufactures*
    - *Forming*
      - *Extrusion*
      - *Electroforming*
      - *Shearing*
      - *Sawing*
      - *Cutting*
    - *Bonding*
    - *Stitching*
    - *Finishing*
      - *Cleaning*
      - *Polishing*
        - *Degreasing*
      - *Coating*
        - *Paint*

- States and types of metals
  - *Liquid*
  - *Cubic*
    - *Body centred cubic*
    - *Face centred cubic*
  - *Coated*
  - *Cold worked*
  - *Plastically deformed*
  - *Reinforced*
  - *Refractory*
  - *Reactive*

- Products
  - *Scrap*

- Metals for particular purposes
  - *Building materials*

METALS, Abrasion

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METALS, Aircraft structures. See AIRCRAFT, Structures, Metals

METALS, Astronautics vehicles. See ASTRONAUTICS, Vehicles, Metals

METALS, Bars. See BARS, Metal

METALS, Bellows, Joints, Pipes. See PIPES, Joints, Bellows, Metal

METALS, Bellows, Shock absorbers, Spinning discs, Spraying, Aerosols. See AEROSOLS, Spraying, Discs, Spinning, Shock absorbers, Bellows, Metal

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METALS, Coating, Nylon 11

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METALS, Coating, Organic

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METALS, Coating, Polyurethane

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METALS, Coating, Powders, Epoxy resins

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METALS, Coating, Thermoplastics

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METALS, Coating, Thickness, Measurement

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METALS, Coating materials. See COATINGS, Metals

METALS, Coatings, Marine engineering. See MARINE ENGINEERING, Coatings, Metals

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METALS, Creep, Compression, Constant stress, Testing, Machines

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MILLING, Ball, Powders, Barium ferrites, Permanent magnets. See MAGNETS, Permanent, Barium ferrites, Powders, Ball milling

MILLING, Camshafts, Internal combustion engines. See ENGINES (Internal combustion) Camshafts, Milling

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MILLS, Grinding modification determination, Extracts, Malt. See MALT, Extracts, Modification, Determination, Grinding, Mills

MILLS, Hot rolling, Steel strips. See STRIPS, Steel, Rolling, Hot, Mills

MILLS, Paper. See PAPER, Mills

MILLS, Platzer, Rolling, Metals, Strips. See STRIPS, Metal, Rolling, Platzer mills

MILLS, Reversing, Rolling. See ROLLING, Mills, Reversing

MILLS, Rolling. See ROLLING, Mills

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MILLS, Rolling, Steel, Angle sections. See SECTIONS, Angle, Steel, Rolling, MILLS, Rolling, Steel, Bars. See BARS, Steel, Rolling, Mills

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MILLS, Rolling, Steel, Rods. See RODS, Steel, Rolling, Mills

MILLS, Rolling, Steel, Sections. See SECTIONS, Steel, Rolling, Mills

MILLS, Rolling, Steel, Strips. See STRIPS, Steel, Rolling, Mills

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MILLS, Rolling, Steel alloys, Rods. See RODS, Steel, Alloys, Rolling, Mills

MILLS, Sendzimir, Rolling, Metal strips. See STRIPS, Metal, Rolling, Sendzimir mills

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MILLS, Tandem, Cold rolling, Tinplate. See TINPLATE, Rolling, Cold, Mills, Tandem

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MINING
Related Headings:
- BLASTING
- BOREHOLES
- MINERAL DRESSING
- OFF SHORE DRILLING
- PIT–PROPS
- PROSPECTING
- QUARRYING
- ROCK, Drills

MINING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
  - *Ireland*
  - *Africa*
  - *Australia*

- *Education*
- *Technical co-operation*

- *Models*
- Problems
  - *Rock mechanics*
  - *Dust*
  - *Temperature*

- Equipment
  - *Control systems*
  - *Machinery*
    - *Hydraulic machinery*
  - *Lamp sets*

- Technical activities
  - *Operational research*
  - *Critical path analysis*
  - *Surveying*
  - *Engineering*
  - *Blasting*
  - *Transport*
  - *Winding*
  - *Communications*
  - *Ventilation*

- *Shafts*
- Types of mines
  - *Opencast*
  - *Residual*
  - *Moon*

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MENTHA VIRIDIS (L) LAVANDULIODORA SACCO

MINTING. See COINS, Manufactures

MIRROR ELECTRON MICROSCOPES. See MICROSCOPES, Electron, Mirror

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Bavarian classic. Motor (23 Feb 66) p.25-30. il.

MOTOR CARS, Types, B.M.W. 2000

BMW 2000 – full details. Autocar, 124 (4 Feb 66) p.251-2. il.

MOTOR CARS, Types, B.M.W. 2000, Road tests

BMW 2000 1,990 c.c. Autocar, 125 (5 Aug 66) p.303-8. il.

MOTOR CARS, Types, B.M.W. 2000T1, Road tests

Everything just right: BMW 2000TI. Motor (8 Jun 66) p.21-6. il.

MOTOR CARS, Types, Bond

From three to four. G. Robson. Autocar, 125 (11 Nov 66) p.1041-3. il.

MOTOR CARS, Types, Bond Equipe GT4S, Road tests

Road test on the Bond Equipe GT4S. Engineering, 201 (11 Feb 66) p.298-9. il.

MOTOR CARS, Types, Chevrolet Corvair Corsa

Chevrolet Corvair Corsa. Motor (14 Sep 66) p.40-2. il.

MOTOR CARS, Types, Chrysler Plymouth Barracuda S

Chrysler's aquarium: Barracuda is more practical than fishy. R. Bell. Motor (22 Jun 66) p.28-9. il.

MOTOR CARS, Types, Chrysler Valiant

Chrysler Valiant. Autocar, 125 (14 Oct 66) p.808-9. il.

MOTOR CARS, Types, Chrysler Valiant Premium Automatic, Road tests

Chrysler Valiant Premium 4.373 c.c. Autocar, 125 (4 Nov 66) p.985-90. il.

MOTOR CARS, Types, Cord Sportsman, Replicas

Development of an expanded thermoplastic for small scale body production, pt.1. Motor Body, 136 (Nov 66) p.10+. il.

MOTOR CARS, Types, DAF 44

DAF 44. Engineering, 202 (7 Oct 66) p.627-9. il.

Safety conscious DAF 44. Automotive Design Engng., 5 (Nov 66) p.62-3. il.

MOTOR CARS, Types, Daimler 2½-litre V8, Road tests

Daimler 2½-litre V8. Autocar, 124 (20 May 66) p.1021-6. il.

MOTOR CARS, Types, Daimler Sovereign

New medium-sized Jaguar. Motor (19 Oct 66) p.149-51. il.

MOTOR CARS, Types, Ferguson (Four wheel drive)

Ferguson story, pt.1. E. Eves. Autocar, 125 (12 Aug 66) p.346-50. il.

MOTOR CARS, Types, Ferguson R5 (Four wheel drive)

Ferguson R.5 prototype passenger car. Engineer, 222 (19 Aug 66) p.264-5. il.

Four-wheel-drive and the passenger car, pt.2 [Ferguson R.5] Engineer, 222 (21 Oct 66) p.594-5. il.

MOTOR CARS, Types, Ferguson R5 (Four wheel drive) Road tests

Ferguson R5 prototype under test. Engineering, 202 (2 Sep 66) p.412-14. il.

MOTOR CARS, Types, Ferrari 330GTC

330 GTC. P. Frere. Motor (16 Nov 66) p.52-3. il.

MOTOR CARS, Types, Fiat 124

New Fiat 124 combines big internal space with economy. M. Bowler. Motor (30 Mar 66) p.34-7. il.

Fiat 124. Autocar, 124 (6 May 66) p.915-19. il.

Fiat 124: orthodox simple effective. Engineering, 201 (29 Apr 66) p.817-18. il.

1 200 cm³ family saloon. Engineer, 221 (29 Apr 66) p.655-6. il.

Yet another new Fiat. Engineering, 201 (1 Apr 66) p.633-4. il.

MOTOR CARS, Types, Fiat 124, Road tests

Testing by tape: computers make notes on the Fiat 124. Motor (25 May 66) p.59-60. il.

MOTOR CARS, Types, Fiat 124 Sports Spider

Italy's new cars, pt. 1. Engineering, 202 (11 Nov 66) p.840-1. il.

Sport-out of Fiat 124. Motor (2 Nov 66) p.33-5. il.

Sports car with o.h.c. engine. Engineer, 222 (11 Nov 66) p.713-14. il.

MOTOR CARS, Types, Fiat 500F, Conversions

Fiat 500F (499.5 c.c.) and Abarth 595 (594 c.c.) Autocar, 124 (1 Apr 66) p.670-5. il.

MOTOR CARS, Types, Fiat 500F, Road tests

Fiat 500F (499.5 c.c.) and Abarth 595 (594 c.c.) Autocar, 124 (1 Apr 66) p.670-5. il.

MOTOR CARS, Types, Fiat 600 D, Road tests

Shoestring economy for four [Fiat 600D] Motor (21 Sep 66) p.25-30. il.

MOTOR CARS, Types, Fiat 850

12,000 mile staff car report — Fiat 850. M. Bowler. Motor (6 Jul 66) p.35-40. il.

MOTOR CARS, Types, Fiat 850 Coupé, Road tests
Economy GT [Fiat 850 Coupé] Motor (3 Aug 66) p.19-24. il.
Fiat 850 Coupé and Bertone Spider. Autocar, 124 (3 Jun 66) p.1135-41. il.

MOTOR CARS, Types, Fiat Abarth 1000, Road tests
Fiat Abarth 1000. Motor (3 Aug 66) p.25-6. il.

MOTOR CARS, Types, Fiat Bertone Spider, Road tests
Fiat 850 Coupé and Bertone Spider. Autocar, 124 (3 Jun 66) p.1135-41. il.

MOTOR CARS, Types, Fiat Dino Spider
Italy's new cars, pt. 1. Engineering, 202 (11 Nov 66) p.840-1. il.

MOTOR CARS, Types, Ford
Ford V-six models. Pt.3: rear suspension, front suspension, steering, braking system, body structure and electrical system. Automobile Engr., 56 (Jul 66) p.316-29. il.
Revised 12M and 15M models [German Fords] O.G.W. Ferson. Autocar, 125 (16 Sep 66) p.599-600. il.

MOTOR CARS, Types, Ford Anglia, Conversions
Fireball Anglia five. A. Curtis. Motor (27 Apr 66) p.54-5. il.

MOTOR CARS, Types, Ford Consul Corsair
12,000 mile report Ford Corsair V-4. C. Posthumus. Motor (28 Sep 66) p.17-22. il.

MOTOR CARS, Types, Ford Consul Corsair 320 GXV
Guinea-pig Corsair: 30,000-mile user-report on the Ford Corsair. E. Coushion. Motor (23 Mar 66) p.28-30. il.

MOTOR CARS, Types, Ford Consul Corsair, Conversions
Minnow Ford Corsair V4: inexpensive and impressive carburettor conversion. Autocar, 125 (30 Sep 66) p.704-704A. il.

MOTOR CARS, Types, Ford Consul Cortina
Cortina—new right through. Motor (19 Oct 66) p.152-8. il.
"Cortina" passenger cars restyled. Engineer, 222 (21 Oct 66) p.588-9. il.
Ford new body and 1300 cm³ engine for Cortina model: detail changes to suspension and transmission: executive model added to Zodiac range. Automobile Engr., 56 (Nov 66) p.469-72. il.
Ford's new Cortina. Engineering, 202 (21 Oct 66) p.710-11. il.
New Cortina range. Autocar, 125 (21 Oct 66) p.868-73. il.

MOTOR CARS, Types, Ford Consul Cortina 1300, Road tests
More for your money [Ford Cortina 1300] Motor (2 Nov 66) p.25-30. il.

MOTOR CARS, Types, Ford Consul Cortina 1300 de luxe, Road tests
Ford Cortina 1300 de luxe. Autocar, 125 (2 Dec 66) p.1183-8. il.

MOTOR CARS, Types, Ford Consul Cortina GT, Conversions
IWR Cortina GT. Autocar, 124 (8 Apr 66) p.721-2. il.
Willment Super Sprint Cortina G.T.: improved performance test. Autocar, 123 (24 Dec 65) p.1344-5. il.

MOTOR CARS, Types, Ford Consul Cortina Lotus
Diary of development: Ford Lotus Cortina. M. Bowler. Motor (11 May 66) p.54-6. il.

MOTOR CARS, Types, Ford Consul Cortina Lotus, Road tests
Ford Lotus Cortina. Motor (14 Sep 66) p.35-7. il.

MOTOR CARS, Types, Ford G.T.
Ford GTs: reflections on their development. Design & Components in Engng. (14 Apr 66) p.34-9. il.

MOTOR CARS, Types, Ford G.T.40
Super street—car: GT—40. I. Ireland & R. Barker. Autocar, 124 (29 Apr 66) p.839—42. il.

MOTOR CARS, Types, Ford Thunderbird
As thunderbirds go—it went... but opinions differed on the manner of its going. R. Cook. Motor (30 Mar 66) p.48-9. il.

MOTOR CARS, Types, Ford Zephyr 4 Mk. IV
Ford Zephyr/Zodiac. Automotive Design Engng., 5 (May 66) p.87-9. il.
New big Fords: Zodiac Zephyr V-6/V-4 Mark IV range. Autocar, 124 (22 Apr 66) suppt. p.15+. il.
New Ford Zephyr Zodiac range. Engineering, 201 (22 Apr 66) p.768-72. il.
V6 engined passenger cars. Engineer, 221 (22 Apr 66) p.603-5. il.
Z cars Mk IV. Motor (20 Apr 66) p.45-54. il.

MOTOR CARS, Types, Ford Zephyr 6 Mk. IV
Ford Zephyr/Zodiac. Automotive Design Engng., 5 (May 66) p.87-9. il.
New big Fords: Zodiac Zephyr V-6/V-4 Mark IV range. Autocar, 124 (22 Apr 66) suppt. p.15+. il.
New Ford Zephyr Zodiac range. Engineering, 201 (22 Apr 66) p.768-72. il.
V6 engined passenger cars. Engineer, 221 (22 Apr 66) p.603-5. il.
Z cars MK. IV. Motor, (20 Apr 66) p.45-54. il.

MOTOR CARS, Types, Ford Zephyr 6 Mk.IV, Road tests
Zephyr 6 Mk IV. Autocar, 124 (22 Apr 66) suppt. p.33+. il.

MOTOR CARS, Types, Ford Zodiac Mk. IV
Ford Zephyr/Zodiac. Automotive Disign Engng., 5 (May 66) p.87-9. il.
New big Fords: Zodiac Zephyr V-6/V-4 Mark IV range. Autocar, 124 (22 Apr 66) suppt. p.15+. il.
New Ford Zephyr Zodiac range. Engineering, 201 (22 Apr 66) p.768-72. il.
V6 engined passenger cars. Engineer, 221 (22 Apr 66) p.603-5. il.
Z cars Mk IV. Motor (20 Apr 66) p.45-54. il.

MOTOR CARS, Types, Ford Zodiac Mk. IV, Road tests
Flexible five-seater: Ford Zodiac Mk. IV. Motor (20 Apr 66) p.55-60. il.

MOTOR CARS, Types, Frazer Nash T.T., Replicas
Frazer Nash Replica 2-seater. Autocar, 124 (22 Apr 66) p.802-3. il.
Were those the days? 1933 Aston Martin Le Mans and 1933 Frazer Nash T.T. Replica. R. Barker. Autocar, 124 (22 Apr 66) p.800-1. il.

MOTOR CARS, Types, Gordon-Keeble GK1, Road tests
Electrifying four-seater. Motor (22 Jun 66) p.19-24. il.

MOTOR CARS, Types, Gordon—Keeble IT, Road tests
Gordon Keeble road test. Engineering, 201 (15 Apr 66) p.716-18. il.

MOTOR CARS, Types, H.R.G.
Farewell—to H.R.G.—to Studebaker. C. Posthumus. Motor (13 Apr 66) p.40-1. il.

MOTOR CARS, Types, Hillman
Rootes new Hillman Hunter and Singer Vogue models: Sunbeam Imp Sport and Singer Chamois Sport added to range. Automobile Engr., 56 (Nov 66) p.473-7. il.

MOTOR CARS, Types, Hillman Hunter
Hillman Hunter. Motor (12 Oct 66) p.11-15. il.
New!—Hillman Hunter. Autocar, 125 (7 Oct 66) p.714-19. il

MOTOR CARS, Types, Hillman Hunter, Road tests
Hillman Hunter 1,725 c.c. Autocar, 125 (7 Oct 66) p.727-32. il.
New breed of Hillman: Hillman Hunter. Motor (12 Oct 66) p.27-32. il.

MOTOR CARS, Types, Hillman Imp
Hillman Imp: progress report, pt.2. M. Bowler. Motor (14 Sep 66) p.17-20. il.

MOTOR CARS, Types, Hillman Imp, Conversions
Racing Impmen. N. Brittan. Autocar, 125 (19 Aug 66) p.406-8. il.
Rally Imp to the Alps. Engineering, 201 (13 May 66) p.900-1. il.

MOTOR CARS, Types, Hillman Imp de luxe

Running two Imps. Autocar, 125 (19 Aug 66) p.390-1

MOTOR CARS, Types, Hillman Minx 6 de Luxe, Road tests

Hillman Minx VI de Luxe 1,725 c.c. Autocar, 123 (31 Dec 65) p.1387-92. il.

Minx mixture: re-test of Hillman Minx V.I de luxe. Autocar, 124 (18 Feb 66) p.335-6. il.

MOTOR CARS, Types, Hillman Super Imp

Rallye Imp: performance check. G. Howard. Autocar, 124 (28 Jan 66) p.190-2. il.

Running two Imps. Autocar, 125 (19 Aug 66) p.390-1

MOTOR CARS, Types, Hillman Super Imp, Road tests

Neat and nimble: Hillman Super Imp. Motor (2 Mar 66) p.49-54. il.

MOTOR CARS, Type, Hillman Super Minx 4

Hillman Super Minx IV: 12,000 mile staff car report. J. A. Kyd. Motor (31 Aug 66) p.15-20. il.

MOTOR CARS, Types, Hillman Super Minx 4, Road tests

Hillman Super Minx Mk. IV: family flair. Motor (30 Mar 66) p.21-6. il.

MOTOR CARS, Types, Honda S.800 Sports

Honda S800. Motor (12 Oct 66) p.36-7. il.

Honda S.800 Sports. Autocar, 125 (7 Oct 66) p.734-7. il.

MOTOR CARS, Types, Humber Sceptre Mk.II, Road tests

Quiet—comfortable—fast: Humber Sceptre Mk.II. Motor (13 Apr 66) p.21-6. il.

MOTOR CARS, Types, Humber Sceptre Mk.II Automatic, Road tests

Humber Sceptre II Automatic 1,725 c.c. Autocar, 124 (25 Mar 66) p.609-14. il.

MOTOR CARS, Types, ISO Grifo GL365, Road tests

ISO Grifo GL365 5,359 c.c. Autocar, 124 (29 Apr 66) p.844–9. il.

MOTOR CARS, Types, ISO Rivolta IR-300, Road tests

Fast without fury [Iso Rivolta IR-300] Motor (24 Aug 66) p.27-32. il.

Iso Rivolta IR300. Motor (31 Aug 66) p.43. il.

MOTOR CARS, Types, Jaguar 420

New Jaguar 420. Autocar, 125 (14 Oct 66) p.780-3. il.

New medium-sized Jaguar. Motor (19 Oct 66) p.149-51. il.

MOTOR CARS, Types, Jaguar 420G

New medium-sized Jaguar. Motor (19 Oct 66) p.149-51. il.

MOTOR CARS, Types, Jaguar E-type

Seeing the back of our E-type....but far from gladly. M. A. Smith. Autocar, 124 (18 Feb 66) p.340-3. il.

Who wants a 70 mph Jaguar? Engineering, 201 (21 Jan 66) p.115+

MOTOR CARS, Types, Jaguar E-type 2+2

E-type extended. Motor (9 Mar 66) p.18-19. il.

Jaguar 2 + 2 at last. Autocar, 124 (11 Mar 66) suppt. p.ii-vii. il.

MOTOR CARS, Types, Jaguar E-type 2 + 2, Road tests

Jaguar E-type 2 + 2. Autocar, 124 (10 Jun 66) p.1195-200. il.

MOTOR CARS, Types, Jaguar E-type 2+2 Automatic, Road tests

Ultimate versatility: Jaguar E-type 2 + 2 (Auto) Motor (27 Apr 66) p.19-24. il.

MOTOR CARS, Types, Jensen Interceptor

Jensen in a brand new shape. (Interceptor & FF) Motor (12 Oct 66) p.23-5. il.

Jensen Interceptors. Autocar, 125 (14 Oct 66) p.796-8. il.

MOTOR CARS, Types, Jensen Interceptor FF

Four-wheel-drive and the passenger car [Jensen "FF"] Engineer, 222 (14 Oct 66) p.553-5. il.

Jensen Interceptors. Autocar, 125 (14 Oct 66) p.796-8. il.

Jensen in a brand new shape [Interceptor & FF] Motor (12 Oct 66) p.23-5. il.

MOTOR CARS, Types, Lamborghini

Great goings on at Santa Agata. E. Eves & V. Berris. Autocar, 124 (1 Apr 66) p.686-91. il.

MOTOR CARS, Types, Lanchester

Singular Lanchester twin. A. Bird. Motor (8 Jun 66) p.29-31. il.

MOTOR CARS, Types, Lancia Fulvia Coupé, Road tests

Lancia Fulvia Coupe 1,216c.c. Autocar, 125 (11 Nov 66) p.1029-34. il.

MOTOR CARS, Types, Lotus Elite

How eligible is the Elite? C. Powell. Autocar, 125 (9 Sep 66) p.560-1. il.

MOTOR CARS, Types, M.G., M.G.B GT Coupé, Road tests

M.G. MGB GT Coupé 1,798 c.c. Autocar, 124 (4 Mar 66) p.429-34. il.

More safety fast [M.G.B GT] Motor (16 Feb 66) p.17-22. il.

MOTOR CARS, Types, M.G. Midget

Comparative analysis of Midgets 1929 to 1965. P. Poyntz-Wright. Autocar, 124 (13 May 66) p.974-6. il.

MOTOR CARS, Types, Maserati Quattro Porte

Maserati Quattro Porte: Autocar, 125 (18 Nov 66) p.1092-5. il.

MOTOR CARS, Types, Mercedes Benz 230, Road tests

Road test on Mercedes-Benz 230. Engineering, 201 (4 Mar 66) p.443-4. il.

MOTOR CARS, Types, Mercedes Benz 230 Automatic, Road tests

Mercedes 230 Automatic 2,306 c.c. Autocar, 124 (11 Mar 66) p.489-94. il.

MOTOR CARS, Types, Morris 1100, Road tests

Best of both worlds: BMC 1100 road test. Motor (29 Dec 65) p.17-21. il.

MOTOR CARS, Types, Morris 1800

B.M.C. add three. Motor (9 Mar 66) p.15-16. il.

MOTOR CARS, Types, Morris 1800 de luxe, Road tests

Improved breed [Morris 1800 De Luxe] Motor (29 Jun 66) p.23-8. il.

Morris 1800 de luxe. Autocar, 125 (16 Sep 66) p.584-8. il.

MOTOR CARS, Types, Morris Mini-Cooper S 1275

Get it going backwards. A. Curtis. Motor (24 Aug 66) p.17-18. il.

MOTOR CARS, Types, Morris Mini-Cooper S 1275, Conversion

Broadspeed Mini-Cooper 1275s Gt. Super de Luxe. Autocar, 125 (29 Jul 66) suppt. p.238-9. il.

MOTOR CARS, Types, Moskvich 408, Road tests

Russian paradox [Moskvich 408] Motor (10 Aug 66) p.23-8. il.

MOTOR CARS, Types, N.S.U. Prinz 4 de Luxe, Road tests

Grown-up miniature [NSU Prinz 4 de luxe] Motor (9 Mar 66) p.21-6. il.

MOTOR CARS, Types, N.S.U. Prinz 1000 TT

NSU Prinz 1000TT. Autocar, 124 (24 Jun 66) p.1322-3. il.

MOTOR CARS, Types NSU Typ 110, Road tests

Competitive and compact: NSU 110. Motor (6 Apr 66) p.17-22. il.

NSU Typ 110 1,085 c.c. Autocar, 124 (7 Jan 66) p.9-14. il.

MOTOR CARS, Types, Oldsmobile Toronado

First 3,000 miles with a Toronado. R. Huntington. Autocar, 124 (4 Mar 66) p.452-5. il.

Natural selection: which would you have—DB6 Aston Martin or an Oldsmobile Toronado? R. Bell. Motor (27 Apr 66) p.32-3. il.

Oldsmobile Toronado: summary of the design features of an unconventional American car with automatic transmission and front wheel drive. H. Chase. Automobile Engr., 56 (Sep 66) p.396-403. il.

MOTOR CARS, Types, Oldsmobile Toronado, Road tests

Oldsmobile Toronado 6,965 c.c. Autocar, 124 (14 Jan 66) p.79-84. il.

385 horsepower to the front wheels—it works [Oldsmobile Toronado] Motor (19 Jan 66) p.21-6. il.

MOTOR CARS, Types, Opel Rekord

New Opel Rekord. Autocar, 125 (26 Aug 66) p.446-8. il.

MOTOR CARS, Types, Peugeot 204, Road tests
Peugeot 204 1,130 c.c. Autocar, 125 (2 Sep 66) p.487-92. il.

MOTOR CARS, Types, Pontiac GTO
GTO stands for — the Pontiac compact that grew up. C. Bulmer. Motor (7 Sep 66) p.34-5. il.
Pontiac GTO. Engineering, 202 (1 Jul 66) p.12-13. il.

MOTOR CARS, Types, Pontiac GTO, Road tests
Pontiac GTO. Autocar, 124 (8 Apr 66) p.735-40. il.

MOTOR CARS, Types, Porsche 911, Road tests
Stuttgart streamliner: Porsche 911. Motor (30 Nov 66) p.15-20. il.

MOTOR CARS, Types, Porsche 911S, Road tests
Porsche 911S. Autocar, 125 (14 Oct 66) p.790-5. il.

MOTOR CARS, Types, Rambler 770 Vee-8 Convertible, Road tests
Rambler 770 Vee-8 Convertible. Autocar, 125 (8 Jul 66) p.73-8. il.

MOTOR CARS, Types, Reliant FW5
Britain designs Turkey's first car [Reliant FW5] Design (Oct 66) p.48-9. il.

MOTOR CARS, Types, Reliant Rebel
Small-car rebellion [Reliant Rebel] Motor (9 Nov 66) p.33-8. il.

MOTOR CARS, Types, Renault
Living with the Renault family. J. D. Mclintock. Motor (9 Feb 66) p.52-3. il.

MOTOR CARS, Types, Renault 16
Renault 16. Pt.3: steering, rear suspension, braking system and body structure. Automobile Engr., 56 (Mar 66) p.82-92. il.
Year with a Renault 16. P. Garnier. Autocar, 125 (25 Nov 66) p.1126-9. il.

MOTOR CARS, Types, Renault 16 GL, Road tests
Essentially a family car: Renault 16 Grand Luxe. Motor (2 Feb 66) p.27-32. il.
Road test: Renault 16. Engineering, 202 (19 Aug 66) p.323-4. il.
Renault 16 GL: Autocar road test. Autocar, 124 (28 Jan 66) p.175-80. il.

MOTOR CARS, Types, Renault 1100 Automatic, Road tests
Renault 1100 Automatic. Autocar, 124 (17 Jun 66) p.1251-6. il.

MOTOR CARS, Types, Renault-Alpine 1300
Alpine [Renault] 1300. Autocar, 124 (17 Jun 66) p.1266-8. il.

MOTOR CARS, Types, Rolls Royce Silver Shadow
Rolls Shadow Monocoque. Automotive Design Engng., 4 (Dec 65) p.92-3. il.

MOTOR CARS, Types, Rover 2000
Another look at the Rover 2000 after three years' development C. Bulmer. Motor (24 Aug 66) p.33-6. il.
Keeping onkeeping on: Rover 2000 24,000 mile report. R. Cook. Motor (2 Feb 66) p.13-16. il.
Rover 2000. Motor (7 Dec 66) p.50-1. il.

MOTOR CARS, Types, Rover 2000 Automatic, Road tests
Rover 2000 Automatic. Autocar, 125 (30 Sep 66) p.670-5. il.

MOTOR CARS, Types, Rover 2000 TC, Road tests
Predominantly sporting [Rover 2000TC] Motor (28 Sep 66) p.27-32. il.

MOTOR CARS, Types, Rover 2000 TC
More horses for Rover 2000. Motor (9 Mar 66) p.17. il.
Three phase ordeal—to show that the Rover 2000 TC is "made for the market". Pt.1: through Baja California. B. Carroll. Autocar, 124 (13 Mar 66) p.958+. il.

MOTOR CARS, Types, Rover 3-litre Coupé Mk III, Road tests
Rover 3-Litre Coupe Mk III. Autocar, 124 (6 May 66) p.902-7. il.

MOTOR CARS, Types, Rover 3-litre Mk. III Automatic, Road tests
Armchair luxury [Rover 3-litre Mk. III Automatic] Motor (16 Mar 66) p.19-24. il.

MOTOR CARS, Types, Saab 96, Road tests
Saab 96 841 c.c. Autocar, 124 (18 Feb 66) p.330-4. il.

MOTOR CARS, Types, Simca 1000 GLS Automatic, Road tests
D.I.Y. Automatic. Motor (15 Jun 66) p.21-3. il.
Simca 1000 GLS (automatic). Autocar, 124 (11 Feb 66) p.281-6. il.

MOTOR CARS, Types, Simca 1300, Road tests
Simce 1300. P. Turner. Motor (23 Feb 66) p.15-19. il.

MOTOR CARS, Types, Simca Abarth 2000
Abarth Simca 2000. G. Howard. Autocar, 124 (27 May 66) p.1084-5. il.

MOTOR CARS, Types, Singer
Rootes new Hillman Hunter and Singer Vogue models: Sunbeam Imp Sport and Singer Chamois Sport added to range. Automobile Engr., 56 (Nov 66) p.473-7. il.

MOTOR CARS, Types, Singer Chamois Sport, Road tests
Singing a happy song Singer Chamois Sport. Motor (16 Nov 66) p.25-7. il.

MOTOR CARS, Types, Singer Gazelle, Road tests
Modest affluence [Singer Gazelle] Motor (1 Jun 66) p.21-6. il.

MOTOR CARS, Types, Singer Vogue Series IV, Road tests
Singer Vogue Series IV. Autocar, 125 (12 Aug 66) p.351-6. il.

MOTOR CARS, Types, Standard-Triumph 1300, Road tests
Quality in a small package [Triumph 1300] Motor (26 Jan 66) p.33-8. il.
Triumph 1300. Autocar, 124 (4 Feb 66) p.229-34. il.

MOTOR CARS, Types, Standard–Triumph 2000
Triumph 2000: 24,000mile staff car report. R. Bensted-Smith Motor (7 Sep 66) p.17-20. il.

MOTOR CARS, Types, Standard-Triumph 2000 Automatic
Triumph 2000 automatic:.. Outstandingly well made and well planned...a Jekyll and Hyde of a motor car. H. Hastings. Motor (23 Nov 66) p.15-20. il.

MOTOR CARS, Types, Standard-Triumph GT6
Triumph GT6. Autocar, 125 (7 Oct 66) p.723+. il.
2-litre GT from Triumph. Motor (12 Oct 66) p.16-20. il.

MOTOR CARS, Types, Standard-Triumph GT6, Road tests
Six appeal [Triumph GT6] Motor (26 Oct 66) p.75-80. il.

MOTOR CARS, Types, Standard-Triumph Herald 1200
Triumph Herald 1200. Motor (24 Aug 66) p.53-4. il.

MOTOR CARS, Types, Standard-Triumph Spitfire Mk.2, Road tests
Triumph Spitfire Mk. 2. Autocar, 125 (26 Aug 66) p.433-8. il.

MOTOR CARS, Types, Steyr-Puch 650 TR II, Road tests
Charm and agility [Steyr-Puch 650 TR II] Motor (7 Sep 66) p.25-30 . il.

MOTOR CARS, Types, Studebaker
Farewell—to H.R.G.—to Studebaker. C. Posthumus. Motor (13 Apr 66) p.40-1. il.

MOTOR CARS, Types, Sunbeam Alpine GT, Road tests
Civilized sports car [Sunbeam Alpine GT] Motor (20 Jul 66) p.25-30. il.

MOTOR CARS, Types, Sunbeam Alpine Series 5, Road tests
Sunbeam Alpine Series V. Autocar, 124 (13 May 66) p.962-7. il.

MOTOR CARS, Types, Sunbeam Imp Sport, Road tests
Sunbeam Imp Sport 875 c.c. Autocar, 125 (21 Oct 66) p.875-80. il.

MOTOR CARS, Types, Sunbeam Rapier 5, Road tests
Eleven years old and still competitive: Sunbeam Rapier V. Motor (23 Nov 66) p.23-8. il.

MOTOR CARS, Types, TVR
TVR—performance package. M. Bowler. Motor (7 Dec 66) p.30-2. il.

MOTOR CARS, Types, Toyota 1600S Coupé
Japanese cross-breed [Toyota 1600S Coupé] R. Bell. Motor (17 Aug 66) p.26-7. il.

MOTOR CARS, Types, Toyota Corona, Road tests
Eastern orthodox: Toyota Corona. Motor (23 Mar 66) p.19-24. il.
Toyota Corona 1,490 c.c. Autocar, 124 (18 Mar 66) p.551-6. il.

MOTOR CARS, Types, Vauxhall Cresta PC
Cresta PC detail development. Automotive Design Engng., 4 (Dec 65) p.94-5. il.

MOTOR CARS, Types, Vauxhall Victor 101, Road tests
Vauxhall Victor 101. R. Bell. Motor (2 Mar 66) p.39-43. il.

MOTOR CARS, Types, Vauxhall Victor de luxe, Road tests
Vauxhall's family formula: Vauxhall Victor de luxe. Motor (11 May 66) p.43-8. il.

MOTOR CARS, Types, Vauxhall Viscount
One up for Vauxhall Viscount 3.3 litre. Autocar, 124 (3 Jun 66) p.1129-31. il.

MOTOR CARS, Types, Vauxhall Viscount, Road tests
Raised to the peerage [Vauxhall Viscount] Motor (31 Aug 66) p.27-32. il.

MOTOR CARS, Types, Vauxhall Viscount Automatic, Road tests
Vauxhall Viscount Automatic. Autocar, 125 (22 Jul 66) p.189-93. il.

MOTOR CARS, Types, Vauxhall Viva
All-new Vauxhall Viva. Autocar, 125 (23 Sep 66) p.614-19. il.
Brand new Viva. C. Bulmer. Motor (21 Sep 66) p.17-22. il.
1 100cm^3 light passenger car [Vauxhall Viva] Engineer, 222 (23 Sep 66) p.443-4. il.
New Vauxhall Viva range. Mass Production, 42 (Oct 66) p. 109-12. il.

and larger 1159 cm^3 engine for the Viva model. Automobile Engr., 56 (Nov 66) p.479-83. il.

MOTOR CARS, Types, Vauxhall Viva de luxe, Road tests
Sorting it out [Vauxhall Viva] B. Watkin. Motor (30 Mar 66) p.15-17. il.
Very much improved [Vauxhall Viva de luxe] Motor (7 Dec 66) p.23-8. il.

MOTOR CARS, Types, Vauxhall VX 4/90, Road tests
Roomy and rapid [Vauxhall VX 4-90] Motor (12 Jan 66) p.19-24. il.

MOTOR CARS, Types, Volkswagen 1200
Volkswagen 1200—passed its test with flying colours: 12,000 mile staff car report. A. Curtis. Motor (20 Jul 66) p.15-20. il.

MOTOR CARS, Types, Volkswagen 1300, Road tests
Noticeably better Beetle. [Volkswagen 1300] Motor (13 Jul 66) p.21-6. il.
Volkswagen 1300. Autocar, 124 (21 Jan 66) p.125-30. il.

MOTOR CARS, Types, Volkswagen 1500
Bigger better Beetles. Motor (3 Aug 66) p.38-9. il.
More powerful Volkswagen. Engineer, 222 (5 Aug 66) p.210

MOTOR CARS, Types, Volkswagen 1500, Road tests
Volkswagen 1500. Autocar, 125 (25 Nov 66) p.1133-7. il.

MOTOR CARS, Types, Volkswagen 1600TL, Road tests
Big brother beetle [Volkswagen 1600TL] Motor (9 Feb 66) p.19-24. il.
Volkswagen 1600TL. Autocar, 125 (1 Jul 66) p.13-18. il.

MOTOR CARS, Types, Volvo 121 Automatic
Volvo 121 Automatic. Autocar, 125 (5 Aug 66) p.318-20. il.

MOTOR CARS, Types, Volvo 132S, Road tests
Quality and performance [Volvo 132S] Motor (27 Jul 66) p.19-24. il.

MOTOR CARS, Types, Volvo 1800S, Road tests
Volvo 1800S 1,778 C.C. Autocar, 125 (15 Jul 66) p.131-6. il..

MOTOR CARS, Tyres
Profiles and plies: new steps towards a greater grip. Motor (2 Feb 66) p.38-9. il.
Tyre safety-and value-on the road. Rubber Developments, 18 no.4 (1965) p.138-9. il.

MOTOR CARS, Tyres, Performance
Passenger tyre design for maximum performance. W. S. Udall. Inst. of Rubber Industry Trans.& Proc., 42 (Feb 66) p.1-2

MOTOR CARS, Tyres, Radial ply, Costs
Tyres made easy. Pt.2: vital statistics. Motor (16 Feb 66) p.48-9. il.

MOTOR CARS, Tyres, Radial ply, Sizes
Tyres made easy. Pt.2: vital statistics. Motor (16 Feb 66) p.48-9. il.

MOTOR CARS, Tyres, Road adhesion
Slip or grip: factors affecting tyre adhesion explained. G. Howard. Autocar, 125 (25 Nov 66) p.1120-3. il.

MOTOR CARS, Tyres, Winter
Winter wisdom, pt.2. G. Howard, Autocar, 125 (18 Nov 66) p.1083-5. il.

MOTOR CARS, Upholstery, Fabrics, Cellulosic, Coated, Thermoplastics
Recent developments in wash-and-wear finishing. B. C. M. Dorset. Textile Manufacturer, 92 (Oct 66) p.414-19. il.

MOTOR CARS, Upholstery, Plastics
Progress in car trim in Britain & USA. Rubber & Plastics Age, 47 (Nov 66) p.1182-3. il.

MOTOR CARS, Washing
What happens when you nip in for a quick wash. Motor (23 Mar 66) p.40-1. il.

MOTOR CARS, Wheels
Wider still and wider. M. Bowler. Motor (17 Aug 66) p.44-5. il.

MOTOR CARS, Wheels, Hubs, Electroplating, Nickel—Chromium
Specialists raise the "brightness standard". J. D. McLintock. Motor Body, 136 (Sep 66) p.20+

MOTOR CARS, Windows, Seals, Rivets, Holes, Drilling, Machines, Control systems, Pneumatic
Self-feed air-operated drilling set-ups at the Ford Dagenham factory [Par-A-Matic] Machinery, 109 (6 Jul 66) p.38-41. il.

MOTOR CARS, Windows, Seals, Studs, Welding, Machines
High speed stud welding [Crompton Parkinson at Vauxhall Motors] Light Production Engng., 4 (Mar 66) p.21-23. il.
Production line stud welding [Vauxhalls] Tooling, 20 (Apr 66) p.24-6. il.
Production line stud welding [Vauxhall's] Mass Production, 42 (Jun 66) p.67-9. il.

MOTOR CARS, Windscreens, Wipers, Manufactures
Windscreen wipers: the Tex way [Magnatex] L. J. K. Setright. Mass Production, 42 (Oct 66) p.103-6. il.

MOTOR COACHES
"All found" on Whyte's Duple-A. E. C. coach: £16,000 of luxury. Transport World (Apr 66) p.7-8. il.
Bedford VAM5 with Duple Bella Venture 45-seat coach body: bus and coach road test: 5. A. A. Townsin. Bus & Coach, 38 (Jan 66) p.16+. il.
Big-coach comfort in a new 13-seater ["Deansgate"] Transport J., 25 (Nov 66) p.30. il.
Bristol broadens its range: additional RE and Lodekka models. A. A. Townsin. Bus & Coach, 38 (Feb 66) p.62-5. il.
British buses for Canada. D. Moses. Commercial Motor, 123 (27 May 66) p.112-13. il.
Daimler: developments of Fleetline and Roadliner models include Metalastik suspension and new heating and ventilating systems. Automobile Engr., 56 (Oct 66) p.440-2. il.
Daimler Roadliner/Duple 49-seater coach. R. D. Cater. Commercial Motor, 124 (19 Aug 66) p.56+. il.
Daimler Roadliner SRC6 with Duple Commander 49-seat coach body. A.A. Townsin. Bus & Coach, 38 (Oct 66) p. 376-81. il.
Ford-Duple coach scores points on performance and fuel economy. Transport J., 25 (Feb 66) p.12+. il.
Ford R192 (360 cu in engine) with Duple Empress 45-seat coach body. A. A. Townsin. Bus & Coach, 38 (Feb 66) p.56-61. il.

MOTOR COACHES–*cont.*

Good breeding is clearly apparent in this third member of the "VA" family [Bedford "VAM"] Transport J., 25 (Jan 66) p.10+. il.

Leyland Panther PSUR1.1R with Willowbrook 53-seat bus body. A. A. Townsin. Bus & Coach, 38 (Aug 66) p.274-8. il.

M.C.W. developments and future plans include entry into the luxury coach market [Metropolitan-Cammell-Weymann Ltd.] Transport J., 25 (Sep 66) p. 102+. il.

MCW/Leyland transit coach. Transport World (Sep 66) p.32-3. il.

New features on Daimler Roadliner and Fleetline buses and coaches. Transport World (Sep 66) p.34-5. il.

New look on London streets: latest buses and coaches generally welcomed. D. Moses. Commercial Motor, 123 (11 Mar 66) p.82+. il.

P.s.v. that lives up to its name [AEC "Swift" rear-engined passenger chassis with semi-automatic transmission] Transport J., 24 (Dec 65) p.10-12. il.

Passengers will pay for added comfort. J. F. Baggaley. Bus & Coach, 38 (Feb 66) p.51-3. il.

Road test of Bedford VAM. R. D. Cater. Commercial Motor, 122 (31 Dec 65) p.34+. il.

Saving weight means saving money. P. G. Bland. Bus & Coach, 38 (Jan 66) p.2-6. il.

Some features of the latest Mercedes-Benz passenger and goods vehicles. Motor Body, 136 (Nov 66) p.5. il.

Strachans introduce Paceway Express. Passenger Transport, 129 (Apr 66) p.156-58. il.

Super luxury executive coach [White Clipper: Duple Bodies Ltd.] Passenger Transport, 129 (May 66) p.202-5. il.

This coach is also a hotel ["Rotel"; Gott lob Auwärter KG, Stuttgrart–Möwringen] J. F. Moon. Bus & Coach, 38 (May 66) p.184-5. il.

330 cu in Bedford VAM with Duple front entrance body. E. L. Cornwell. Passenger Transport, 129 (Feb 66) p.50-4. il.

VAM—another Bedford success. J. H. Fielder. Transport World (Jan 66) p.8-9. il.

Weight-saving and vehicle life–can a balance be struck? A. A. Townsin. Bus & Coach, 38 (Jan 66) p.7-11. il.

MOTOR COACHES, Airports

Radio-controlled to serve the airlines. D. Moses. Commercial Motor, 122 (7 Jan 66) p.60+. il.

MOTOR COACHES, Bodies

Another Duple luxury coach. Passenger Transport, 129 (Aug 66) p.324-6. il.

Duple Group's new range. Motor Body, 136 (Sep 66) p.16-17. il.

Emphasis on one-man single-deckers. D. Moses. Commercial Motor, 124 (16 Sep 66) p.176-8. il.

Era of the one-man bus: new-look coaches and larger double-deckers also featured at Earls Court. D. Moses. Commercial Motor, 124 (30 Sep 66) p.131-6. il.

New Duple range. Transport World (Jul 66) p.6-7. il.

One-man single deckers prominent. Transport World (Sep 66) p.63-4. il.

Specialist bodybuilder looks ahead. Motor Body, 136 (Jan 66) p.12-14. il.

MOTOR COACHES, Bodies, Buyers' guides

1966 buyers' guide to British coach bodywork. Transport World (Feb 66) p.24+. il.

MOTOR COACHES, Bodies, Design

Bodywork for 1967: bus & coach design. Passenger Transport, 129 (Oct 66) p.426+. il.

What can British bodybuilders offer overseas? A. A. Townsin. Bus & Coach, 38 (Mar 66) p.89-92. il.

MOTOR COACHES, Bodies, Maintenance

Keeping 100 coaches smart [Valliant Direct Coaches Ltd. & Lewis Cronshaw Ltd.] J. Adlington. Bus & Coach, 38 (Jul 66) p.235-8. il.

MOTOR COACHES, Bodies, Manufactures

Plaxton's of Scarborough. Passenger Transport, 129 (May 66) p.191-2. il.

MOTOR COACHES, Bodies, Painting

Traditional painting methods take some beating. A.A. Townsin. Bus & Coach, 38 (Jul 66) p.257-8. il.

MOTOR COACHES, Chassis

Bristol breaks new design ground with versatile rear-engined p.s.v. chassis. Transport J., 25 (Sep 66) p.42-3. il.

Bristol finds a new engine position. Bus & Coach, 38 (Aug 66) p.279-84. il.

Bristol: unusual position for the engine in a new chassis suitable for single- and double-deck buses. Automobile Engr., 56 (Oct 66) p.437-9. il.

Daimler developments for 1967. Bus & Coach, 38 (Oct 66) p.352-3. il.

Extra is well worthwhile [Ford R192 with Duple Empress body] J. F. Moon. Transport World (Feb 66) p.40-1. il.

Wider scope for Bristol passenger chassis. Transport J., 25 (Feb 66) p.18+. il.

MOTOR COACHES, Chassis, Buyers' guides

British passenger chassis: buyers' guide to models produced in the United Kingdom. Commercial Motor, 124 (4 Nov 66) p.115-18. il.

MOTOR COACHES, Diesel engines

180 b.h.p. Gardner engine. Bus & Coach, 38 (Sep 66) p.335-7. il.

Trying the Cummins V6 in a 39ft coach: German testing of a Cummins VIM 200 B.H.P. unit fitted to a Kässbohrer Setra S.14 72-seat coach. J.F. Moon. Bus & Coach, 38 (Sep 66) p.315-17. il.

MOTOR COACHES, Heating

Developments in heating and ventilating. A. A. Townsin. Bus & Coach, 38 (Nov 66) p.339-42. il.

MOTOR COACHES, Maintenance

Flexibility the key to success [United Automobile Services Ltd.] A. A. Townsin. Bus & Coach, 38 (May 66) p.152-7. il.

Thriving on winter sports. G. I. Millar. Bus & Coach, 38 (May 66) p.162-6. il.

MOTOR COACHES, Manufactures, Great Britain, Technical data

Specifications: annual Bus and Coach tabulated review of the types of buses and coaches offered by British manufacturers for both home and export markets. Bus & Coach (19 Oct 66) p.419-22

MOTOR COACHES, Operation

Armstrongs of Newcastle. W. R. Lang. Passenger Transport, 129 (Mar 66) p.114+. il.

Diversification—Premier sets an example. D. Moses. Commercial Motor, 124 (21 Oct 66) p.60-2. il.

Entering into coach operation. S. Buckley. Commercial Motor, 124 (4 Nov 66) p.121-2. il.

Getting on the level. J. Scalloway. Transport World (Dec 65) p.12-13. il.

Rationalization and co-ordination help to cushion rising costs in p.s.v. operation [Trent Motor Traction Co. Ltd.] Transport J., 25 (Oct 66) p.48+. il.

Schizophrenia in high places is thwarting the bus industry. W. M. Little. Transport World (Jun 66) p.17

Second-hand coach solution in Dorset [Bere Regis & District Motor Services] R. C. Carpenter. Bus & Coach, 38 (Apr 66) p.123-5. il.

Serving exiled Geordies [Hall Bros. (South Shields) Ltd.] R. L. Iles. Bus & Coach, 38 (Jan 66) p.32-4. il.

Kent coach operator's "lease-lend" system. J. Adlington. Bus & Coach, 38 (Jun 66) p.219-22. il.

Lancashire independent offers long-distance express facilities [Yelloway Motor Services Ltd.] A. Taylor. Commercial Motor, 123 (3 Jun 66) p.62-3. il.

Wanted—some salesmen. A.A. Townsin. Bus & Coach, 38 (Sep 66) p.304-8. il.

MOTOR COACHES, Operation—*cont.*

What does the future hold for coach operation? T. McLachlan. Bus & Coach, 38 (Jun 66) p.195-9. il.

MOTOR COACHES, Operation, Computers

Don't be afraid of computers. Bus & Coach, 38 (Aug 66) p.266-9. il.

MOTOR COACHES, Operation, Cork

City and country links cuts Cork's peak problems. A. Taylor. Commercial Motor, 123 (1 Jul 66) p.57-9. il.

MOTOR COACHES, Operation, East Kent, History

Fifty years in Kent [East Kent Road Car Company] Passenger Transport, 129 (Nov 66) p.476-8. il.

MOTOR COACHES, Operation, Edinburgh

Edinburgh takes stock. G. A. Booth. Passenger Transport, 129 (Jun 66) p.230-3. il.

MOTOR COACHES, Operation, Great Britain, History

Those were the (coaching) days! C. F. Klapper. Passenger Transport, 129 (Jul 66) p.290-4. il.

MOTOR COACHES, Operation, Northumberland

Fewer than 1,500 passengers a week [Terrier Coaches Ltd.] R. L. Iles. Bus & Coach, 38 (Aug 66) p.270-3. il.

Northumberland—Tyneside's poorer relation [United Automobile Services Ltd.] R.L. Iles. Bus & Coach, 38 (Jul 66) p.240-5. il.

MOTOR COACHES, Operation, Scarborough

Hardwick's Services Ltd. Passenger Transport, 129 (May 66) p.188-9. il.

Serving the conference town. W. R. Laing. Passenger Transport, 129 (May 66) p.186-8. il.

MOTOR COACHES, Operation, Scotland, Highlands

Thriving on winter sports. G. I. Millar. Bus & Coach, 38 (May 66) p.162-6. il.

MOTOR COACHES, Operation, Yorkshire

'But people use only the clock. . . ' W. R. Lang. Passenger Transport, 129 (Sep 66) p.386-8. il.

Yorkshire independent that won't lie down. Passenger Transport, 129 (Jul 66) p.278-81. il.

MOTOR COACHES, Radio receivers

Coach radios, tapes and p.a. equipment. Transport World (Feb 66) p.38-9. il.

MOTOR COACHES, Road tests

15 years of road tests. A. A. Townsin. Bus & Coach, 38 (Apr 66) p.112-22. il.

MOTOR COACHES, Rural, Transport

Rural rides: undercover report. J. Scalloway. Transport World (Jun 66) p.13+.

What future for the rural bus? R.L. Iles. Bus & Coach, 38 (Sep 66) p.309-14. il.

MOTOR COACHES, Seats (Driver) Suspension

Why suspension seating for drivers? [Chapman Superide suspension seat mechanism] Bus & Coach, 38 (Sep 66) p.323-4. il.

MOTOR COACHES, Stations, Bergen

Bus station amongst the fjords. W. Waage. Bus & Coach, 38 (Mar 66) p.82-5. il.

MOTOR COACHES, Stations, London, Victoria

Better facilities at London's main terminal: Victoria Coach Station extended. Transport World (Jul 66) p.8-9. il.

Bigger and better at Victoria. Passenger Transport, 129 (Jul 66) p.274-6. il.

MOTOR COACHES, Tours, Reservations, Computers

Tours booking by computer. W. R. Lang. Bus & Coach, 38 (Aug 66) p.292-6. il.

MOTOR COACHES, Transmissions, Torque converter

Smoothness without loss of economy. A. A. Townsin. Bus & Coach, 38 (Jun 66) p.200-2. il.

MOTOR COACHES, Transport, Time tables, 24-hour clock

Does the 24-hour clock work? J. Adlington. Bus & Coach, 38 (Mar 66) p.86-8. il.

MOTOR COACHES, Tyres, Road adhesion (Wet roads) Tests

Safe stopping on wet roads. Passenger Transport, 129 (Jul 66) p.288-9. il.

MOTOR COACHES, Ventilation

Developments in heating and ventilating. A. A. Townsin. Bus & Coach, 38 (Nov 66) p.339-42. il.

MOTOR COACHES, Washing, Control systems

Fully automated coach washer: main feature in Wallace Arnold's new £250,000 Leeds coach station. Transport World (Sep 66) p.25

MOTOR CYCLES

Historic or junk? P. Vincent. Motor Cycle, 116 (16 Jun 66) p.794-6. il.

Monocar for the masses. P Vincent. Motor Cycling (19 Nov 66) p.5. il.

MOTOR CYCLES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

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- *Specifications*

- Technical activities
  - *Design*
  - *Manufactures*
  - *Maintenance*
  - Conversion
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- *Parts*
  - *Frames*
  - *Forks*
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MOTOR CYCLES, Accessories

Mild extravagance. J. Ebbrell. Motor Cycle, 117 (8 Dec 66) p.752-5. il.

MOTOR CYCLES, Brakes, Anti-lock systems

Locked wheels. T. Wilson-Jones. Motor Cycle, 117 (29 Sep 66) p.422-5. il.

MOTOR CYCLES, Buyers' guides

Showtime buyers' guide: take your pick for 1967. Motor Cycling (12 Nov 66) p.13. il.

MOTOR CYCLES, Clutches

Clutch, our Cinderella. P. Vincent. Motor Cycle, 116 (2 Jun 66) p.732-3. il.

MOTOR CYCLES, Conversion

1085 cc Münch "Mammoth". Motor Cycling (19 Mar 66) p.5. il.

Promise and enthusiasm. D. Dixon. Motor Cycle, 116 (27 Jan 66) p.118-19. il.

246 cc Yamahe/Ducati. Motor Cycling (18 Dec 65) p.5. il.

MOTOR CYCLES, Design

Thirty years on. T. Wilson-Jones. Motor Cycle, 117 (13 Oct 66) p.494-7. il.

MOTOR CYCLES, Electrical equipment, Maintenance
Rocket off target. B. Currie. Motor Cycle, 116 (20 Jan 66) p.64-6. il.

MOTOR CYCLES, Engines
Flouting tradition. V. Willoughby. Motor Cycle, 116 (17 Mar 66) p.14A-17A. il.
Tiny twinpot [Yamaha 100 YL-1] V. Willoughby. Motor Cycle, 116 (31 Mar 66) p.418-19. il.

MOTOR CYCLES, Engines, Ignition
Look, no battery. Motor Cycle, 117 (10 Nov 66) p.640-1. il.

MOTOR CYCLES, Engines, Lubricating oils
Complex cocktail. V. Willoughby. Motor Cycle, 117 (21 66) p.82-5. il.

MOTOR CYCLES, Engines, Superchargers
Desmodromic rotor-motor. B. Currie. Motor Cycle, 116 (9 Jun 66) p.744-5. il.

MOTOR CYCLES, Engines, Two stroke
Days of the Deeks, pt.1. E. Tragatsch. Motor Cycling (3 Dec 66) p.8-9. il.
Days of the Deeks, pt.2: E. Tragatsch. Motor Cycling (10 Dec 66) p.12. il.

MOTOR CYCLES, Engines, Two-stroke, Vibrations
Killing the vibration bug. P. Vincent. Motor Cycle, 117 (6 Oct 66) p.458-60. il.

MOTOR CYCLES, Engines, Valves
Early and late? V. Willoughby. Motor Cycle, 116 (30 Jun 66) p.848-9. il.

MOTOR CYCLES, Forks
Enfield fork strip. B. Currie. Motor Cycle, 117 (15 Sep 66) p.362-5. il.

MOTOR CYCLES, Forks, Maintenance
Fork overhaul. P. Fraser. Motor Cycle, 117 (28 Jul 66) p.104-7. il.

MOTOR CYCLES, Frames, Titanium
Light—but not so easy. B. Currie. Motor Cycle, 116 (9 Jun 66) p.760-2. il.

MOTOR CYCLES, Lamps
How good are your lights? J. Ebbrell. Motor Cycle, 117 (27 Oct 66) p.562-5. il.

MOTOR CYCLES, Maintenance
AMC one-fifties. Motor Cycle, 116 (3 Mar 66) p.278-80. il.
Honda hints. B. Jukes. Motor Cycle, 116 (21 Apr 66) p.520-1. il.
Royal Enfield GT. Motor Cycle, 116 (3 Feb 66) p.144-6. il.
Some Bantam! V. Willoughby. Motor Cycle, 116 (31 Mar 66) p.408-9. il.

MOTOR CYCLES, Manufactures
Bultaco: the factory in a Barcelona vineyard. B. Osborne. Motor Cycling (29 Jan 66) p.11. il.
Motor cycle factory in Indi... J. Golecki & J. Kowalski. Machinery Lloyd (European ed.) 38 (May 66) suppt. p.VIII-IX. il.
Motor cycle factory in India. J. Golecki & J. Kowalski. Machinery Lloyd (Overseas ed.) 38 (7 May 66) suppt. p.VIII-IX. il.

MOTOR CYCLES, Parts, Painting
Finishing cycles and motor-cycles [Raleigh Industries Ltd. & Carrs Paints] M. A. Carr. Surface Coatings, 2 (Nov 66) p.420-2. il.

MOTOR CYCLES (Racing)
Clubmen's Grand Prix. D. Dixon. Motor Cycle, 117 (24 Nov 66) p.710-12. il.

MOTOR CYCLES (Racing) Engines
Dragsters and racers. D. O. Cozzi. Automotive Design Eng., 5 (Jun 66) p.74-5. il.
New line of thought [Alpha Centuri] B. Currie. Motor Cycle, 116 (7 Apr 66) p.432-4. il.
Power no problem. V. Willoughby. Motor Cycle, 116 (10 Mar 66) p.296-9. il.

MOTOR CYCLES (Racing) Engines, Two-stroke
Titles that got away. V. Willoughby. Motor Cycle, 116 (17 Feb 66) p.202-7. il.

MOTOR CYCLES (Racing) Engines, Valves, Timing
Valve timing and performance. P. Vincent. Motor Cycle, 116 (5 May 66) p.574-5. il.

MOTOR CYCLES (Racing) Frames, Stiffness
What makes it handle? J. Kuipers. Motor Cycle, 116 (5 May 66) p.580-1. il.

MOTOR CYCLES, Riders, Clothing, Maintenance
All well got up. J. Ebbrell. Motor Cycle, 116 (16 Jun 66) p.780-2. il.

MOTOR CYCLES, Sidecars, Conversions
Friedels latest—NSU 'four' sidecar : 1000 cc special from Germany. Motor Cycling (5 Feb 66) p.15. il.

MOTOR CYCLES, Specifications
At-a-glance specifications: your choice for '66. Motor Cycling (2 Apr 66) p.10. il.

MOTOR CYCLES, Springs
Spring frame design. Pt.1: 40-year war. P. Vincent. Motor Cycle, 116 (30 Jun 66) p.864-5. il.

MOTOR CYCLES, Transmissions
Fixed-centre drives. B. Currie. Motor Cycle, 116 (17 Mar 66) p.328-30. il.

MOTOR CYCLES, Tuning
Tuning Norton. J. Hudson. Motor Cycling (12 Feb 66) p.8+. il.
Tuning Triumph. F. Cooper. Motor Cycling (5 Feb 66) p.8-9. il.
Tuning Velocette. R. Orpin. Motor Cycling (5 Mar 66) p.5+. il.

MOTOR CYCLES, Types, AER Macchi
344 c.c. OHV Aer Macceu. Motor cycling (21 May 66) p.5. il.

MOTOR CYCLES, Types, A.J.S.
AJS and Matchless two-fifty singles. M. Evans. Motor Cycle, 116 (24 Feb 66) p.232-6. il.
AJS and Matchless big singles— 1956 to 1966. M. Evans. Motor Cycle, 117 (11 Aug 66) p.176-80. il.

MOTOR CYCLES, Types, Ariel Square Four
Glamour-puss [Aeriel Square Four] P. Vincent. Motor Cycle, 117 (1 Dec 66) p.728-31. il.

MOTOR CYCLES, Types, Alpha Centuri, Tests
248cc Alpha 'Centuri'. Motor Cycling (12 Nov 66) p.9. il.

MOTOR CYCLES, Types, B.M.W. R60, Road tests
BMW Twins. M. Evans. Motor Cycle, 116 (6 Jan 65) p.2-6. il.

MOTOR CYCLES, Types, B.S.A.
Poppet challenge [modified 249 cc BSA] P. Fraser. Motor Cycle, 116 (10 Feb 66) p.185-7. il.
No skin off your nose [Harley-Davidson KR] V. Willoughby.

MOTOR CYCLES, Types, B.S.A., Conversions
123 cc Todd 'Bantam'. Motor Cycling (29 Jan 66) p.7. il.
"Stage two" Dow 650 B.S.A. Motor Cycling (25 Dec 65) p.7. il.

MOTOR CYCLES, Types, B.S.A. A65T Thunderbolt, Road tests
654 cc BSA A65T Thunderbolt. Motor Cycle, 117 (20 Oct 66) p.520-2. il.

MOTOR CYCLES, Types, B.S.A. C15 Sportsman
Sturdier BSA Two-Fifties. Motor Cycle, 117 (28 Jul 66) p.112-13. il.

MOTOR CYCLES, Types, B.S.A. C15 Sportsman, Road tests
249cc BSA C15 Sportsman. Motor Cycle, 116 (16 Jun 66) p.786-8. il.

MOTOR CYCLES, Types, B.S.A. C15 Star
Sturdier BSA Two-Fifties. Motor Cycle, 117 (28 Jul 66) p.112-13. il.

MOTOR CYCLES, Types, B.S.A. C15 Star, Road tests
249cc BSA C15 Star. Motor Cycle, 117 (6 Oct 66) p.466-8. il.

MOTOR CYCLES, Types, B.S.A. C25 Barracuda
New high-performance BSA Two-Fifty. Motor Cycle, 117 (3 Nov 66) suppt. p.8A+. il.

MOTOR CYCLES, Types, B.S.A., Conversions
654 c.c. Mick Boddice B.S.A. Motor cycling (14 May 66) p.5. il.

MOTOR CYCLES, Types, B.S.A. D10 Bantam Sports
173 cc BSA D10 Sports Bantam. Motor Cycle, 117 (3 Nov 66) suppt. p.28A-9. il.

MOTOR CYCLES, Types, B.S.A. D10 Bantam Supreme
Ten-horse supremacy [BSA 173 cc D10 Bantam Supreme] Motor Cycle, 117 (21 Jul 66) p.76-8. il.

MOTOR CYCLES, Types, B.S.A. D10 Bantam Supreme, Road tests
173 cc BSA D10 Bantam Supreme. Motor Cycle, 117 (21 Jul 66) p.94-5. il.

MOTOR CYCLES, Types, B.S.A. Spitfire Mk.2 Special 654 c.c., Road tests
654 cc BSA Spitfire Mark 2 Special. Motor Cycle, 116 (21 Apr 66) p.504-7. il.

MOTOR CYCLES, Types, B.S.A. Sportsman, Tests
249 cc BSA 'Sportsman'. Motor cycling (22 Oct 66) p.5. il.

MOTOR CYCLES, Types, Bultaco Metralla
Barcelona Bomb [Bultacos, Metralla] D. Dixon. Motor Cycle, 116 (9 Jun 66) p.754-5. il.

MOTOR CYCLES, Types, Dresda-Metisse, Tests
649cc Dresda-Metisse. Motor Cycling (15 Oct 66) p.5. il.

MOTOR CYCLES, Types, Ducati 200 Super Sport, Road tests
Customized Ducati 200 Super Sport. Motor Cycle, 117 (25 Aug 66) p.244-6. il.

MOTOR CYCLES, Types, Dunstall, Conversion
497cc ''Dunstall Domiracer''. Motor Cycling (5 Feb 66) p.5. il.

MOTOR CYCLES, Types, Guzzi V7 Twin
Moto-Guzzi with a difference. P. Fraser. Motor Cycle, 117 (3 Nov 66) p.588-90. il.

MOTOR CYCLES, Types, Guzzi V7 Twin, Tests
Guzzi V7 Twin. Motor Cycling (29 Oct 66) p.5. il.

MOTOR CYCLES, Types, Harley-Davidson KR
Motor Cycle, 116 (27 Jan 66) p.98-101. il.

MOTOR CYCLES, Types, Honda
Vitality in design [Honda] Motor Cycle, 116 (17 Mar 66) p.36A+. il.

MOTOR CYCLES, Types, Honda CB72, Tests
247cc Honda CB72 twin. Motor Cycling (26 Nov 66) p5. il.

MOTOR CYCLES, Types, Honda CB 450
Honda CB450 Super Sports. D. Dixon. Motor Cycle, 115 (30 Dec 65) p.910-13. il.

MOTOR CYCLES, Types, Honda CB 450, Road tests
445 cc Honda CB450. Motor Cycle, 116 (17 Mar 66) p.6A-9A. il.

MOTOR CYCLES, Types, Honda CR110, Tests
50cc eight speed Honda. Motor Cycling (3 Sep 66) p.3. il.

MOTOR CYCLES, Types, Itom 50 cc
49 cc Itom competition. M. Evans. Motor Cycle, 115 (30 Dec 65) p.930-1. il.

MOTOR CYCLES, Types, James M16, Road tests
149 cc James M16. Motor Cycle, 116 (7 Apr 66) p.148-9. il.

MOTOR CYCLES, Types, Jawa, Road tests
249 cc Jawa. Motor Cycle, 116 (3 Mar 66) p.268-70. il.

MOTOR CYCLES, Types, MZ
124 cc Works MZ single. Motor Cycling (1 Jan 66) p.3. il.

MOTOR CYCLES, Types, Matchless
AJS and Matchless big singles—1956 to 1966. M. Evans. Motor Cycle, 117 (11 Aug 66) p.176-80. il.

MOTOR CYCLES, Types, Matchless, Conversion
496 cc Seeley-Matchless. Motor Cycling (22 Jan 66) p.5. il.
649 cc Dresda Triumph. Motor Cycling (1 Jan 66) p.11. il.

MOTOR CYCLES, Types, Matchless G15 CSR
745cc Matchless ''G15CSR''. Motor Cycling (29 Jan 66) p.5. il.

MOTOR CYCLES, Types, Matchless Metisse, Tests
496cc Matchless Metisse. Motor Cycling (3 Dec 66) p.7. il.

MOTOR CYCLES, Types, Motobi 48 Sport
Motobi 48 Sport. M. Evans. Motor Cycle, 116 (6 Jan 65) p.22-3. il.

MOTOR CYCLES, Types, Nerus-Impetus, Tests
998 cc 'Nerus-Impetus'. Motor Cycling (18 Jun 66) p.5. il.

MOTOR CYCLES, Types, Norton Atlas, Conversions, Road tests
745 cc Dunstall Atlas. D. Dixon. Motor Cycle, 117 (27 Oct 66) p.554-7. il.

MOTOR CYCLES, Types, Norton, Conversions, Tests
349cc Norton kneeler. Motor Cycling (19 Nov 66) p.3. il.

MOTOR CYCLES, Types, Norton Atlas, Road tests
745 cc Norton Atlas. Motor Cycle, 116 (10 Mar 66) p.304-6. il.

MOTOR CYCLES, Types, Norton Dominator, Conversions
499 cc Cooper-Petty Norton. Motor Cycling (2 Apr 66) p.7. il.
747 cc Dunstall ''Atlas''. Motor Cycling (16 Apr 66) p.5. il.

MOTOR CYCLES, Types, Royal Enfield Continental GT, Road tests
248cc Royal Enfield Continental GT. Motor Cycle, 116 (31 Mar 66) p.402-4. il.

MOTOR CYCLES, Types, Suzuki 120, Road tests
119 cc Suzuki 120. Motor Cycle, 117 (4 Aug 66) p.138-9. il.

MOTOR CYCLES, Types, Suzuki Super Six
Oil-pump Suzukis arrive. D. Dixon. Motor Cycle, 116 (26 May 66) p.676-8. il.

MOTOR CYCLES, Types, Suzuki T20 Super Six, Road tests
247 cc Suzuki 'Super Six'. Motor Cycling (2 Jul 66) p.7. il.
247 cc Suzuki T20 Super Six. Motor Cycle, 116 (23 Jun 66) p.824-7. il.

MOTOR CYCLES, Types, Suzuki T20 Super Six, Tests
247 cc Suzuki 'Super-Six'. Motor Cycling (5 Nov 66) p.11.

MOTOR CYCLES, Types, Tohatsu Twin, Tests
124cc Tohatsu Twin. Motor Cycling (1 Oct 66) p.5. il.

MOTOR CYCLES, Types, Triumph Bonneville 650
649 cc Triumph ''Bonneville''. Motor Cycling (15 Jan 66) p.5. il.

MOTOR CYCLES, Types, Triumph, Bonneville 650, Conversion
649 cc. Thruxton Bonneville. Motor Cycling (30 Apr 66) p.5. il.

MOTOR CYCLES, Types, Triumph T20 Tiger Cub, Road tests
199 cc Triumph T20 Tiger Cub. Motor Cycle, 116 (14 Apr 66) p.474-6. il.

MOTOR CYCLES, Types, Triumph Thunderbird, Road tests
649 cc Triumph Thunderbird. Motor Cycle, 116 (2 Jun 66) p.716-19. il.
Triumph Thunderbird. Motor Cycle, 116 (28 Apr 66) p.536-40. il.

MOTOR CYCLES, Types, Triumph Tiger 90
Triumph Tiger 90. Motor Cycle, 117 (13 Oct 66) p.486-9. il.

MOTOR CYCLES, Types, Triumph Tiger 90, Road tests
348 cc Triumph Tiger 90. Motor Cycle, 117 (22 Sep 66) p.390-3. il.

MOTOR CYCLES, Types, Triumph Tiger T100, Conversions
Daytona Touch. Motor Cycle, 117 (3 Nov 66) suppt. p.18A+.

MOTOR CYCLES, Types, Triumph Tiger T100
Johnson's up-down 650 Triumph racer. Motor cycling (11 Jun 66) p.5. il.

MOTOR CYCLES, Types, Triumph Tiger T100, Road tests
490 cc Triumph Daytona Tiger. Motor Cycle, 117 (3 Nov 66) suppt. p.44A+. il.
490 cc Triumph Tiger 100. Motor Cycle, 117 (18 Aug 66) p.202-5. il.

MOTOR CYCLES, Types, Triumph Tiger T100, Tests
490 Triumph 'Daytona'. Motor Cycling (5 Nov 66) p.5. il.

MOTOR CYCLES, Types, Velocette Clubman
Sportier yet [Velocette Clubman singles] Motor Cycle, 117 (27 Oct 66) p.552-3. il.

MOTOR CYCLES, Types, Velocette Venom
499 c.c. Velocette 'Venom' Motor cycling (4 Jun 66) p.5. il.

MOTOR CYCLES, Types, Velocette Viper Sports, Road tests
349 cc Velocette Viper Sports. Motor Cycle, 117 (14 Jul 66) p.38-41. il.

MOTOR CYCLES, Types, Yamaha YDS3, Tests
246 cc Yamaha Sportsters. M. Evans. Motor Cycle, 116 (2 Jun 66) p.706-10. il.

MOTOR CYCLES, Tyres, Punctures, Repair
Stopping that hiss. J. Ebbrell. Motor Cycle, 116 (3 Mar 66) p.258-61. il.

MOTOR CYCLES, Tyres, Valves
Keeping air inside [Schrader valve] J. Ebbrell. Motor Cycle, 117 (14 Jul 66) p.50-2. il.

MOTOR CYCLISTS. See MOTOR CYCLES, Riders

MOTOR FUEL. See PETROL

MOTOR SHIPS. See SHIPS, Motor

MOTOR VEHICLE CARRYING SHIPS. See SHIPS, Motor vehicle carrying

MOTOR VEHICLES
Honda: two decades of achievement. Motor Cycle, 116 (17 Mar 66) p.50-3. il.
Kustom King. A. Friedrich. Autocar, 124 (8 Apr 66) p.746-7. il.
Motor transport in the future. M. Platt. Chartered Mechanical Engr., 13 (May 66) p.238-42. il. refs.

MOTOR VEHICLES
Related Headings:
- FIRE ENGINES
- HEALTH CENTRES, Mobile
- LAVATORIES, Public, Mobile
- LIBRARIES, Mobile
- MOTOR CARS
- MOTOR COACHES
- MOTOR CYCLES
- SCOOTERS
- VANS
- VEHICLES, Commercial

MOTOR VEHICLES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - *Noise*
  - *Vibrations*
  - *Skidding*

- Technical activities
  - Engineering
  - *Design*
    - *Structural analysis*
    - *Manufactures*
    - *Servicing*
  - *Maintenance*
  - *Washing*
    - *Drying*
  - *Driving*
    - *Speed estimation*

- *Parts*
  - Fastenings
    - *Nuts*
  - *Chassis*
    - *Lubricating oils*

MOTOR VEHICLES–SUBHEADINGS–Synopsis–cont.

- *Parts–cont.*
  - *Shafts*
  - *Bearings*
  - *Suspensions*
    - *Springs*
  - *Transmissions*
    - *Gearboxes*
    - *Gears*
  - *Rear axles*
  - *Brakes*
  - *Wheels*
    - *Tyres*
  - *Bodies*
    - *Underbodies*
  - *Seats*
  - *Engines*
    - *Diesel engines*
    - *Gas turbines*
  - *Carburettors*
  - *Exhaust pipes*
  - *Exhaust manifolds*
  - *Silencers*
  - *Radiators*
  - Electrical equipment
    - *Alternators*
    - *Fuel cells*
    - *Thermoelectric power generation*
  - *Windscreens*
  - *Registration plates*
  - *Instruments*

- Performance
  - *Braking*
  - *Steering*

- Types
  - *Articulated*
  - *Steam*
  - *Electric*
  - *Military*
  - *Scrap*

- Ancillaries
  - *Trailers*
  - *Service stations*

MOTOR VEHICLES, Airports. See AIRPORTS, Motor vehicles

MOTOR VEHICLES, Alternators
Converting from dynamos to alternators. B. R. Mathews. Commercial Vehicles, 40 (Jan 66) p.26-9. il.

MOTOR VEHICLES, Articulated
Looking ahead at the 'heavies' market. S. Eden-Smith. Commercial Vehicles, 40 (Sep 66) p.14-17. il.

MOTOR VEHICLES, Articulated, Brakes, Anti-lock systems
Anti-locking system for tractor brakes that prevents jack-knifing [Dunlop "Maxaret" anti-locking system] Transport J., 25 (Oct 55) p.12+. il.
Anti-skid device prevents "Jack-kniffing" [Dunlop Maxaret] Design & Components in Engng. (10 Nov 66) p.32-4. il.

MOTOR VEHICLES, Articulated, Brakes, Spring
E. R. F. fail-safe braking system. Automobile Engr., 56 (Aug 66) p.354. il.
E.R.F. pioneers fail-safe spring brakes for parking and emergency use. Transport J., (Jul 66) p.6+. il.
Parking without pulling [ERF Ltd.] R. D. Cater. Commercial Motor, 123 (17 Jun 66) p.72-3. il.
Spring brakes for E.R.F. Commercial Vehicles, 40 (Jul 66) p.66-7. il.
Spring brakes on all ERF show models. Commercial Motor, 124 (2 Sep 66) p.54+. il.

MOTOR VEHICLES, Articulated, Brakes, Spring—*cont.*

Spring braking system [M.G.M. Magnum piston type spring brake actuator] Mining & Minerals Engng., 2 (Nov 66) p.437-8. il.

MOTOR VEHICLES, Articulated, Braking

Are today's braking trends sound?: ...but greater consideration of practical aspects needed. A. J. P. Wilding. Commercial Motor, 123 (22 Jul 66) p.60-2

Are today's braking trends sound?: case for outer-axle braking. J. Dickson-Simpson. Commercial Motor, 123 (22 Jul 66) p.54+. il.

Tasker's, brake plans for automatic coupling artics. Commercial Vehicles, 40 (Aug 66) p.28-9

MOTOR VEHICLES, Articulated, Couplings

Supersafe automatic trailer coupling [Supersafe Mark III Scammell Lorries Ltd.] Design & Components in Engng. (27 Oct 66) p.40-1. il.

MOTOR VEHICLES, Articulated, Couplings, Manufactures, Great Britain

Semi-trailer coupling and landing gear. Commercial Motor, 124 (2 Dec 66) p.136-8. il.

MOTOR VEHICLES, Articulated, Landing gear, Manufactures, Great Britain

Semi-trailer coupling and landing gear. Commercial Motor, 124 (2 Dec 66) p.136-8. il.

MOTOR VEHICLES, Articulated, Operation

Does articulation pay off? S. Buckley. Commercial Motor, 124 (2 Dec 66) p.143-4. il.

MOTOR VEHICLES, Articulated, Power-to-weight ratio

Power needs of C—licensed running. R. P. A. F. Williams. Commercial Vehicles, 40 (Jun 66) p.4-7

MOTOR VEHICLES, Articulated, Semi-trailers

Built for operation at 30/32 tons. Commercial Vehicles, 40 (Jan 66) p.56-62. il.

Designing 32-ton gross artics. B. Sunderland. Commercial Motor, 124 (2 Dec 66) p.88+. il.

Matched outfits from Sun works: ERF semi-trailers again. R. D. Cater. Commercial Motor, 122 (28 Jan 66) p.48-9. il.

Need for flexibility in artic' operations is setting the trend for tri-axles. A. Marenbon. Commercial Vehicles, 40 (Sep 66) p.18-21. il.

Something for everyone. R.D. Cater. Commercial Motor, 124 (16 Sep 66) p.160+. il.

Trying the Thompson Trailmobile. Commercial Motor, 123 (13 May 66) p.90-1. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Aluminium

Semi-trailer developments [Crane Fruehauf Trailers Ltd., Norfolk] Engineer, 222 (8 Jul 66) p.48-50. il.

Transport—road and rail. Aluminium Courier (Sep 66) p.12-14. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Axles, Steerable

Case for the steerable axle. P. A. C. Brockington. Commercial Motor, 124 (26 Aug 66) p.62-5. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Design

Design trends in semi-trailers. J. M. Dickson-Simpson. Automobile Engr., 56 (Dec 66) p.508-21. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Five axle

Where should the fifth axle be? R. Doughty, G. A. H. Cardwell & L. Watts. Automotive Design Engng., 5 (Sep 66) p.58-60. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Loading, Lifting, Cranes

How to load a semi-trailer American style. Commercial Vehicles, 40 (Jan 66) p.14-17. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Maintenance

Articulation—and some of its engineering problems, pt.1. 'Handyman'. Commercial Motor, 124 (2 Dec 66) p.85-7. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Operation

'Our men have forgotten how to play cards'. Commercial Motor, 124 (28 Oct 66) p.44+. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Riding qualities

Ride and handling of semi-trailer articulated vehicles. J. R. Ellis. Automobile Engr., 56 (Dec 66) p.523-9. il. refs.

MOTOR VEHICLES, Articulated, Semi-trailers, Single axle

Single-axle trailers in the running. D. E. Fisher. Commercial Vehicles, 40 (Jun 66) p.46-9. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Suspensions

Easier charging and steering. P. A. C. Brockington. Commercial Motor, 124 (25 Nov 66) p.62. il.

MOTOR VEHICLES, Articulated, Semi-trailers, Three axle

Three axle semi-trailers are here to stay. J. Moon. Commercial Vehicles, 40 (Jan 66) p.46

Three for the scrub of two: Dyson 'Trail-Steer' reduces tyre scrub on three-axle bogies. R. D. Cater. Commercial Motor, 124 (2 Sep 66) p.51-2. il.

Where should the fifth axle be? R. Doughty, G. A. H. Cardwell & L. Watts. Automotive Design Engng., 5 (Sep 66) p.58-60. il.

MOTOR VEHICLES, Articulated, Tractive units

Truck design settles down. J. M. Dickson-Simpson. Automotive Design Engng., 5 (Sep 66) p.63-8. il.

MOTOR VEHICLES, Articulated, Tractive units, Manufactures, Great Britain, Technical data

Tractive units obtainable in Britain. Commercial Motor, 124 (2 Dec 66) p.127+

MOTOR VEHICLES, Articulated, Tractive units, Steering, Twin

Five will give you 32. B. Sunderland. Commercial Vehicles, 40 (Jan 66) p.18-23. il.

MOTOR VEHICLES, Articulated, Tractive units, Transmissions

Leyland introduces semi-automatic gearbox for its 'Freightline' range. Transport J., 25 (Sep 66) p.72+. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Atkinson

Atkinson: new design of cab for tractor used in long distance operation. Automobile Engr., 56 (Oct 66) p.428-30. il.

High-floor, fixed cab is Atkinson's answer for engine access. Commercial Vehicles, 40 (Oct 66) p.86-9. il.

New cab featured in Atkinson's 1967 range. Transport J., 25 (Sep 66) p.34+. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Beaver

Two-pedal trucking: Leyland introduces semi-automatic transmission for its trucks. Transport World (Sep 66) p.36-7. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Bedford KGA

New Bedford heavies. Transport World (Sep 66) p.40-1. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Bedford KM

Bedfords go big with KM. Muck Shifter, 24 (Oct 66) p.22-3. il.

Bigger, tougher Bedfords built for heavier loads ['KM' models] Transport J., 25 (Sep 66) p.10-12. il.

MOTOR VEHICLES, Articulated, Types, Commer

Commer's new 24-ton g.t.w. tractor. Transport J., 24 (Nov 65) p.6+. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Dennis

Dennis: Perkins V-eight diesel engine and Turner gearbox for the Maxim range; alternators standardised; changes to the braking systems of Maxim and Pax V vehicles. Automobile Engr., 56 (Oct 66) p.442-3. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Foden

Foden to show dump truck and semi-auto chassis. Commercial Motor, 124 (2 Sep 66) p.60+. il.

Fodens: twelve-speed transmission; reduction of the weight of chassis. Automobile Engr., 56 (Oct 66) p.445-7. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Guy

Guy Big J range. Transport World (Sep 66) p.38-9. il.

Twin-steer Big J tractive unit. Commercial Motor, 124 (9 Sep 66) p.70. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Leyland

New Leyland twin-steer has semi-automatic box. A. J. P. Wilding. Commercial Motor, 124 (26 Aug 66) p.56-7. il.

Two-pedal trucking: Leyland introduces semi-automatic transmission for its trucks. Transport World (Sep 66) p.36-7. il.

MOTOR VEHCILES, Articulated, Tractive units, Types, Scammell Trunker

Three pedals on pneumo-cyclic Trunker. Commercial Vehicles, 40 (Oct 66) p.61-3. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Scania-Vabis LB 76H Super

Scania-Vabis picks models for UK market. A. J. P. Wilding. Commercial Motor, 124 (26 Aug 66) p.49. il.

MOTOR VEHICLES, Articulated, Tractive units, Types, Volvo F86

Strong competition from Volvo in 1967. A. J. P. Wilding. Commercial Motor, 124 (18 Nov 66) p.58+. il.

MOTOR VEHICLES, Articulated, Transport, Food. See FOOD, Transport, Motor vehicles, Articulated

MOTOR VEHICLES, Articulated, Transport, Motor vehicle manufactures. See MOTOR VEHICLES, Manufactures, Transport, Articulated vehicles

MOTOR VEHICLES, Articulated, Transport, Powders. See POWDERS, Transport, Motor vehicles, Articulated

MOTOR VEHICLES, Articulated, Transport, Salt. See SALT, Transport, Articulated vehicles

MOTOR VEHICLES, Articulated, Transport, Wines. See WINES, Transport, Motor vehicles, Articulated

MOTOR VEHICLES, Articulated, Types, AEC Mandator–Scammell, Road tests

AEC Mandator/Scammell 30-ton-gross artic. A. J. P. Wilding. Commercial Motor, 124 (12 Aug 66) p.42+. il.

Lively & economical performance from 12½ litre engine: ten point road test/13: A.E.C./Scammell 30 ton artic. J. Moon. Commercial Vehicles, 40 (Oct 66) p.140-3. il.

MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator TG4R/3–Scammell Challenger T, Road tests

Higher-powered A.E.C. "Mandator" hauls 30 tons gross with speed and safety. B. R. Mathews. Transport J., 25 (Nov 66) p.36+. il.

Spot-on performance: that's the summing-up on the A.E.C. Mandator. J. Dickson-Simpson. Transport World (Oct 66) p.22-4. il.

MOTOR VEHICLES, Articulated, Types, Atkinson-Dyson

High-performance articulated outfit for large indivisible loads. Transport J., 25 (Apr 66) p.31+. il.

65 ton Atkinson-Dyson heavy plant transporter. Transport World (Apr 66) p.40-1. il.

65-ton low loader [Atkinson Vehicles Ltd., R. A. Dyson & Co. Ltd.] Engineer, 221 (15 Apr 66) p.587. il.

65–tonner a likely trend–setter: Atkinson Dyson. Commercial vehicles, 40 (May 66) p.46–9. il.

MOTOR VEHICLES, Articulated, Types, Atkinson Silver Knight T3046C–Dyson Newloader, Road tests

Atkinson-Dyson articulated outfit is good choice for operation at 30 tons gross. Transport J., 25 (Aug 66) p.28-30. il.

Atkinson/Dyson 30-ton-gross artic. A. J. P. Wilding. Commercial Motor, 123 (8 Apr 66) p.50-3. il.

MOTOR VEHICLES, Articulated, Types, Atkinson T3046C – Dyson DNR, Road tests

Square, perhaps, but rugged and reliable [Atkinson-Dyson 30 ton four-axle Artic] A. Bunting. Commercial Vehicles 40 (Sep 66) p.46-9. il.

MOTOR VEHICLES, Articulated, Types, E.R.F. 64 Cu 180–E.R.F. T30, Road tests

Greater braking safety and good economy with E.R.F. tractor. J. F. Moon. Commercial Vehicles, 40 (Aug 66) p.34-7. il.

Ultra-safe braking and good handling distinguish this all-E.R.F. outfit. [E.R.F. articulated eight-wheeler] Transport J., 25 (Jul 66) p.52+. il.

MOTOR VEHICLES, Articulated, Types, Fiat 693TI–Viberti, Road tests

Fiat/Viberti 38-ton-gross artic. Commercial Motor, 124 (2 Dec 66) p.106+. il.

This Italian is quietly impressive. A. J. P. Wilding. Commercial Motor, 124 (9 Sep 66) p.45-6. il.

MOTOR VEHICLES, Articulated, Types, Guy Big J–York Teamster EP23, Road tests

Guy Big J/York 30-ton-gross artic. A. J. P. Wilding. Commercial Motor, 123 (22 Jul 66) p.68+. il.

MOTOR VEHICLES, Articulated, Types, International Loadstar 1700–York W2, Road tests

Bonneted artic has private car feel: ten point road test/12: International Harvester Loadstar 1700/York artic. A. Bunting. Commercial Vehicles, 40. (Oct 66) p.28-31. il.

International "Loadstar" 1700 is a well-made and willing tractive unit. Transport J., 25 (Sep 66) p.48+. il.

International Loadstar 1700/York Artic. A. J. P. Wilding. Commercial Motor, 123 (24 Jun 66) p.68+. il.

MOTOR VEHICLES, Articulated, Types, Leyland Freightline Beaver–Scammel, Road tests

Leyland Beaver 30/32 ton four axle artic. J. Moon. Commercial Vehicles, 40 (Jan 66) p.36-9. il.

MOTOR VEHICLES, Articulated, Types, Magirus-Deutz 200D 16FS–Merriworth, Road tests

Magirus/Merriworth 30-ton-gross artic. A. J. P. Wilding. Commercial Motor, 123 (25 Mar 66) p.52+. il.

MOTOR VEHICLES, Articulated, Types, Magirus-Deutz 200D 16FS–Pitt, Road tests

200 b.h.p. from air-cooled V-8 assures lively performance. J. Moon. Commercial Vehicles, 40 (Jun 66) p.34-7. il.

MOTOR VEHICLES, Articulated, Types, Scammell

Scammell: semi-automatic gearbox for Trunker tractor; single-axle semi-trailer; conversion kit for braking systems of semi-trailers. Automobile Engr., 56 (Oct 66) p.452-4. il.

MOTOR VEHICLES, Articulated, Types, Scammell Scarab 4–Scammell MH, Road tests

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- BUSES, Transport, Netherlands
- CARGOES, Handling, Ports, Rotterdam
- CHURCHES, Heemskerk
- DAMS, Grevelingen
- DAMS, Netherlands
- DATA PROCESSING, Netherlands
- DOCKS, Dry, Schiedam
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- ENGINEERING, Education, Netherlands
- GAS, Natural, Netherlands
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- PLASTICS, Industry, Netherlands
- PORTS, Amsterdam
- PUBLIC WORKS, Amsterdam
- PUMPS, Manufactures, Netherlands
- RAILWAYS, Electrification, Netherlands
- RAILWAYS, Netherlands
- RAILWAYS, Stations, Rebuilding, Netherlands
- REACTOR CENTRUM NEDERLAND, Petten
- ROADS, Haulage, Netherlands
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- SHIPBUILDING, Netherlands
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FILTERS, Frequency

NETWORKS, Electrical, Analogues, Conduction-Radiation, Heat. See HEAT, Conduction-Radiation, Analogues, Networks, Electrical

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NEUTRONS
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PHOTONEUTRONS

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NEUTRONS, Activation analysis, Oxygen distribution determination, Steel, Rods. See RODS, Steel, Oxygen, Distribution, Determination, Neutron activation analysis

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NEUTRONS, Bombardment, Fission fragments. See FISSION FRAGMENTS (Neutron bombardment)

NEUTRONS, Capture, Sodium, Fast nuclear reactors. See NUCLEAR REACTORS, Fast, Sodium, Neutron capture

NEUTRONS, Cold, Radiography, Steel. See STEEL, Radiography, Neutrons, Cold

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NEUTRONS, Diffusion, Swimming pool nuclear reactors. See NUCLEAR REACTORS, Swimming pool, Neutron diffusion

NEUTRONS, Diffusion, Water moderated nuclear reactors. See NUCLEAR REACTORS, Water moderated, Neutron diffusion

NEUTRONS, Emission, Nuclear fission, Uranium-235. See URANIUM-235, Nuclei, Fission, Neutron emission

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NEUTRONS, Fast, Accelerators. See ACCELERATORS, Neutrons, Fast

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NEUTRONS, Irradiation, Embrittlement, Steel. See STEEL, Embrittlement, Irradiation, Neutrons

NEUTRONS, Irradiation, Ferrite steel. See STEEL, Ferrite, Irradiation, Neutrons

NEUTRONS, Irradiation, Hardening, Single crystals, Copper. See COPPER, Crystals, Single, Hardening, Irradiation (Neutrons)

NEUTRONS, Irradiation, Magnesium oxide. See MAGNESIUM OXIDE, Irradiated, Neutrons

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NOISE

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NUCLEAR REACTORS

Related Headings:

- CRITICALITY
- SUB-CRITICAL ASSEMBLIES

NUCLEAR REACTORS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular countries
  - *Great Britain*
  - *France*
  - *Switzerland*

- Problems
  - *Faults*
  - *Safety*
  - *Wastes*
    - Air borne
      - *Aitken nuclei*

- Physics
  - *Dynamics*

NUCLEAR REACTORS–SUBHEADINGS–Synopsis–cont.

- *Fluctuations*
- *Neutrons*
- *Neutron diffusion*
  - *Flattened zones*
- *Gamma radiation*

- Operation
  - *Inspection*
  - *Maintenance*
  - *Temperature control*

- Components
  - Structures
    - *Welding*
    - *Pressure vessels*
  - *Shielding*
  - *Cooling systems*
  - *Control rods*
  - *Fuel elements*
  - *Instruments*

- *Fuels*
- *Materials*
  - *Graphite*
  - *Steel*
  - *Beryllium*

- Types of reactors
  - *Earthquake resistant*
  - By can, moderator or coolant material
    - *Magnox*
    - *Pressurised water*
    - *Graphite moderated*
    - *Iron–Water moderated*
    - *Water moderated*
    - *Heavy water moderated*
    - *Beryllia moderated*
    - *Beryllium moderated*
    - Gas cooled
    - Helium cooled
    - Water cooled
      - *Swimming pool*
    - Sodium cooled
    - *Organic cooled*
  - *Coupled core*
  - *Pebble-bed*
  - *Homogeneous*
  - *Fast*
    - (Research)

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ALLOXAN
AMIDES
AMINES
AZIDES, Organic
AZO COMPOUNDS
BIOLOGICAL MATERIALS
CARBOHYDRATES
CARBONIUM IONS
CARBONYLS
CARBOXYLIC ACIDS
CYCLIC COMPOUNDS
DIAZOMETHANE
DISULPHIDE GROUPS
DISULPHIDES, Organic
ESTERS
ETHERS
FATTY ALCOHOLS
FLUOROCARBON–METAL COMPOUNDS
FLUOROCARBONS
HORMONES
HYDROCARBONS
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ORGANIC CHEMICALS
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OXYGEN, Rivers. See RIVERS, Oxygen content

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OXYGEN, Steel, Rods. See RODS, Steel, Oxygen

OXYGEN–ACETYLENE, Detonation, Fronts

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OXYGEN–ACETYLENE, Flames, Photometry. See PHOTOMETRY, Flames, Acetylene–Oxygen

OXYGEN–ACTIVATED CARBON, Electrodes. See ELECTRODES, Carbon, Activated–Oxygen

OXYGEN–COAL. See COAL–OXYGEN

OXYGEN–COAL DUST, Flames. See FLAMES, Coal dust–Oxygen

OXYGEN DEMAND, Biological, Effluents, Sewage treatment. See SEWAGE, Treatment, Effluents, Biological oxygen demand

OXYGEN–DEUTERIUM. See DEUTERIUM–OXYGEN

OXYGEN FLASK, Analysis, Chlorine determination, Organic chemicals. See ORGANIC CHEMICALS, Determination of chlorine, Oxygen flask combustion

OXYGEN FLASK, Analysis, Sulphur determination, Organic chemicals. See ORGANIC CHEMICALS, Determination of sulphur, Oxygen flask combustion

OXYGEN–FUEL, Burners, Arc furnaces, Steel production. See STEEL, Production, Furnaces, Arc, Burners, Fuel–Oxygen

OXYGEN–FUEL, Burners, Furnaces, Steel production. See STEEL, Production, Furnaces, Burners, Fuel–Oxygen

OXYGEN–FUEL–SCRAP PROCESS, Steel production. See STEEL, Production, Fuel–Oxygen–Scrap process

OXYGEN–*n*-HEPTANE. See *n*-HEPTANE–OXYGEN

OXYGEN–HYDROGEN, Flames. See FLAMES, Hydrogen–Oxygen

OXYGEN–KRYPTON. See KRYPTON–OXYGEN

OXYGEN–PLATINUM, Electrodes. See ELECTRODES, Platinum–Oxygen

OXYGEN POTENTIAL, Lead dioxide, Coated graphite, Anodes. See ANODES, Graphite, Coated, Lead dioxide, Oxygen potential

OXYGEN–PRECIOUS METALS, Electrodes. See ELECTRODES, Precious metals–Oxygen

OXYGEN PROCESS, Spray, Steel production. See STEEL, Production, Oxygen process, Spray

OXYGEN PROCESS, Steel production. See STEEL, Production, Oxygen process

OXYGEN PROCESS, Steel production, Tubes. See TUBES, Steel, Production, Oxygen process

OXYGEN–PROPANE. See PROPANE–OXYGEN

OXYGEN–SULPHUR, Amber glass manufactures. See GLASS, Amber, Manufactures, Oxygen–Sulphur

OXYGEN–TOWN GAS, Burners, Arc furnaces, Steel production. See STEEL, Production, Furnaces, Arc, Burners, Oxygen–Town gas

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OZONE

Ozone—facts and fiction. M. Schofield. Perfumery & Essential Oil Record, 57 (Aug 66) p.499-500

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P.A.C. SYSTEM, Prefabricated maisonettes. See MAISONETTES, Prefabricated, PAC system

P.E.R.T., Computers

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P.E.R.T., Shipbuilding. See SHIPBUILDING, P.E.R.T.

p-i-n Diodes. See DIODES, p-i-n

p-i-n DIODES, Detectors, Gamma spectrometry, Fission products, Irradiated fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Irradiated, Fission products, Gamma spectrometry, Detectors, Diodes, p-i-n

p-i-n DIODES, Microwaves, Attenuators. See ATTENUATORS, Microwaves, Diodes, p-i-n

p-i-n DIODES, Microwaves, Levellers, Sweep oscillators. See OSCILLATORS, Sweep, Levellers, Microwaves, Diodes, p-i-n

p-i-n DIODES, Millimeter wave frequency, Modulators. See MODULATORS, Millimeter wave frequency, Diodes, p-i-n

p-i-n DIODES, S.H.F., Modulators. See MODULATORS, S.H.F., Diodes, p-i-n

p-n-p TRANSISTORS. See TRANSISTORS, p-n-p

p-n-p-n DIODES. See DIODES, p-n-p-n

p-n-p-n TRIODES. See TRIODES, p-n-p-n

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P.V.A., Adhesives, Wood manufactures. See WOOD, Manufactures, Adhesives, P.V.A.

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P.V.A., Pumping

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P.V.C.

Related Headings:

VINYL CHLORIDE, Copolymers

P.V.C., Bottles. See BOTTLES, P.V.C.

P.V.C., Bottles, Food. See FOOD, Bottles, P.V.C.

P.V.C., Bottles, Soft drinks. See DRINKS, Soft, Bottles, P.V.C.

P.V.C., Cables. See CABLES, Electric, P.V.C.

P.V.C., Coatings, Nylon yarns. See YARNS, Nylon, Coating, P.V.C.

P.V.C., Coatings, Patent leather, Shoes. See SHOES, Leather, Patent, P.V.C. coated

P.V.C., Coatings, Rayon yarns. See YARNS, Rayon, Coating, P.V.C.

P.V.C., Coatings, Steel. See STEEL, Coatings, P.V.C.

P.V.C., Coatings, Steel, Wires. See WIRES, Steel, Coating, P.V.C.

P.V.C., Colouring

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P.V.C., Determination of allylic chlorides

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P.V.C., Fabrics, Clothing. See CLOTHING, Fabrics, P.V.C.

P.V.C., Fibres

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P.V.C., Film. See FILM, P.V.C.
P.V.C., Film–Fabrics, Laminates. See LAMINATES, Fabrics–Film, P.V.C.
P.V.C., Folded sheets, Cladding, Buildings. See BUILDINGS, Cladding, Sheets, Folded, P.V.C.
P.V.C., Footwear. See FOOTWEAR, P.V.C.
P.V.C., Linings, Sea water wells, Anodes, Earth return, High voltage d.c. power transmission. See POWER TRANSMISSION, D.C., High voltage, Earth return, Anodes, Wells, Sea water, P.V.C. lined

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Dip mouldings for industry [D. M. Industrial Plastics, Irvine] Brit. Plastics, 39 (Aug 66) p.456-8. il.

P.V.C., Panels, Bodies, Tramcars. See TRAMCARS, Bodies, Panels, P.V.C.
P.V.C., Panels, Buildings. See BUILDINGS, Panels, P.V.C.
P.V.C., Pipes. See PIPES, P.V.C.
P.V.C., Pipes, Disposal, Effluents. See EFFLUENTS, Disposal, Pipes, P.V.C.
P.V.C., Pipes, Town gas. See GAS (Town) Pipes, P.V.C.
P.V.C., Pipes, Water. See WATER, Pipes, P.V.C.

P.V.C., Plasticisers
Recent developments in plasticisers for pvc, pt.1. W. S. Penn. Rubber J., 148 (Mar 66) p.46+. il. refs.
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Simple method to determine the pre-gelation temperature of a PVC plastisol. E. H. Foakes. Brit. Plastics, 39 (Feb 66) p.92-5. il. refs.

P.V.C., Plastisols, Moulding, Dip
Precision dip-moulding [D.M. Industrial Plastics Ltd] Industrial Gas, 52 (Feb 66) p.22-3. il.

P.V.C., Pumping
Pumping P.V.A. and P.V.C. E. H. Curry. Paint Technology, 30 (Jan 66) p.50-1. il.
Pumping vinyl plastics. E. H. Curry. Chemical Processing, 12 (Mar 66) p.70-3. il.

P.V.C., Stabilisers
Some recent trends in p.v.c. stabilisers. P. W. Grange. Rubber & Plastics Age, 47 (Mar 66) p.280+. refs.

P.V.C., Tapes, Corrosion inhibitors. See CORROSION, Inhibitors, Tapes, P.V.C.
P.V.C., Tiles, Floors. See FLOORS, Tiles, P.V.C.
P.V.C., Tubes, Packaging. See PACKAGING, Tubes, P.V.C.
P.V.C., Water mains. See WATER, Mains, P.V.C.
P.V.C.–AMINES, Resins, Ion exchange, Mineral dressing, Uranium ores. See URANIUM, Ores, Mineral dressing, Ion exchange, Resins, P.V.C.–Amines
P.V.C.–POLYTHENE, Cables, Telephony. See TELEPHONY, Cables, P.V.C.–Polythene
P.V.C.–WOOL, Yarns, Knitting. See KNITTING, Yarns, P.V.C.–Wool
PACING, Repetitive work. See WORK, Repetitive, Pacing
PACKAGE CONSIGNMENTS, Transport, Wood. See WOOD, Transport, Package consignments
PACKAGE DYEING, Yarns. See YARNS, Dyeing, Package
PACKAGE DYEING, Yarns, Knitting. See KNITTING, Yarns, Dyeing, Package
PACKAGED BOILERS. See BOILERS, Packaged
PACKAGED BOILERS, Dairy industry. See DAIRY INDUSTRY, Boilers, Packaged
PACKAGED ICED RAINBOW TROUT. See TROUT, Rainbow, Iced, Packaged

PACKAGING
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Continental comparison. F. J. Luck. Packaging Rev., 86 (Apr 66) p.6-9. il.
Packaging for quality and reliability (summary) Lord Snowdon. World's Paper Trade Rev., 166 (17 Nov 66) p.1462+
Packaging hit the peak in 1964. R. M. Mills. Packaging Rev., 86 (Jan 66) p.6-11
Pick of the packaging industry. Times Rev. of Industry & Technology, 4 (May 66) p.38-40. il.
Where industry can cut its costs: packaging. Mechanical Handling, 53 (May 66) p.210-15. il.

PACKAGING
Related Headings:
- BOARD, Paper, Packaging materials
- BOTTLING
- CANNING
- CONTAINERS
- ENCAPSULATION
- FILM, Cellulose, Packaging
- FILM, Plastics, Packaging materials
- FILM, Polythene, Packaging materials
- FILM, Shrinkable
- FILM, Thermoplastics, Packaging
- FILM, Thermoplastics, Shrinkable, Packaging materials
- FOIL, Aluminium, Packaging
- FOIL, Steel, Packaging materials
- LABELS
- LUGGAGE
- MESH, Thermoplastics, Packaging materials
- PARCELS
- PLASTICS, Expanded, Packaging materials
- PLASTICS, Packaging materials
- POLYMERS, Expanded, Packaging materials
- POLYPROPYLENE, Packaging materials
- POLYSTRENE, Expanded, Packaging materials
- POLYTHENE, High density, Packaging materials
- POLYTHENE, Packaging materials
- POLYURETHANE, Expanded, Packaging
- SHEETS, Polystyrene, Expanded, Packaging materials
- THERMOPLASTICS, Packaging materials

PACKAGING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Education*

- Plant & Equipment
  - *Machines*

- Problems
  - *Corrosion*
  - *Vibrations*

- Processes
  - *Design*
  - *Testing*
    - *Shock testing*
  - *Cushioning*
  - *Labelling*
  - *Strapping*

PACKAGING-SUBHEADINGS-Synopsis–*cont.*

- *Materials*
  - *Adhesives*
  - *Papers*

- Types of package
  - *Cases*
  - *Tubes*
  - *Toroidal*
  - *Tray loading*

PACKAGING, Adhesives

Ubiquitous adhesives. F. T. Day. Canning & Packing, 36 (Aug 66) p.10

Ubiquitous adhesives (contd.) F. T. Day. Canning & Packing, 36 (Sep 66) p.11

PACKAGING, Adhesives, Thermoplastics

Variables of a hot-melt adhesive system. G. V. Upton. Packaging, 37 (Feb 66) p.58-60

PACKAGING, Aerosols. See AEROSOLS, Packaging

PACKAGING, Animal feedingstuff manufactures. See ANIMAL FEEDINGSTUFFS, Manufactures, Packaging

PACKAGING, Bacon. See BACON, Packaging

PACKAGING, Blended bricks. See BRICKS, Blended, Packaging

PACKAGING, Bricks. See BRICKS, Packaging

PACKAGING, Butter. See BUTTER, Packaging

PACKAGING, Cake. See CAKE, Packaging

PACKAGING, Cans, Beer. See BEER, Cans, Packaging

PACKAGING, Cases, Fibre board, Corrugated

'Laws of Addition' for damage to contents of corrugated cases when dropped. J. B. Buchanan. Packaging, 37 (Sep 66) p.50+. il. refs.

PACKAGING, Cases, Fibre board, Corrugated, Gluing

Specifically about ink [Domtar Printograph] E. A. Apps. Paint Technology, 30 (Oct 65) p.45-6. il. refs.

PACKAGING, Cases, Fibre board, Corrugated, Industry

Corrugated case industry in Great Britain. R. B. Adamson. World's Paper Trade Rev., 166 (14 Jul 66) p.127+

PACKAGING, Cases, Fibre board, Corrugated, Manufactures

Corrugated case manufacture in rural Cambridgeshire [Tillotsons Corrugated Cases Ltd.] World's Paper Trade Rev., 166 (28 Jul 66) p.272+. il.

Hygrade open a new £1-million factory. Packaging, 37 (Feb 66) p.54-5

Hygrade opens new £1m factory in the west. World's Paper Trade Rev., 165 (27 Jan 66) p.250+. il.

New Polish fibreboard corrugating and converting factory [Lodz, Poland] Paper & Print, 38 (Winter 65) p.291+. il.

PACKAGING, Cases, Fibre board, Corrugated, Manufactures, Machines

New equipment for the corrugated box industry [Monkton Engineering Co. Ltd.] Packaging, 37 (Apr 66) p.93+. il.

PACKAGING, Cases, Fibre board, Corrugated, Manufactures, Operational research

Some practical aspects of factory and field trials with fibreboard cases. D.J. Page. Applied Statistics, 15 (Jun 66) p.94-109. il. refs.

PACKAGING, Cheese. See CHEESE, Packaging

PACKAGING, Chemicals. See CHEMICALS, Packaging

PACKAGING, Chocolate. See CHOCOLATE, Packaging

PACKAGING, Commercial vehicle components. See VEHICLES, Commercial, Components, Packaging

PACKAGING, Corrosion

Climatic protection of packaged equipment. F. H. Bayley. Enviromental Engng. (Jul 66) p.23-6. il.

PACKAGING, Cosmetics. See COSMETICS, Packaging

PACKAGING, Cushioning

Comprehensive handbook on cushioning. World's Paper Trade Rev., 165 (16 Jun 66) p.1747

PACKAGING, Cushioning, Impact tests, Transient response

Shock spectrum. J. W. Pendered. Environmental Engng. (Jul 66) p.13-19. il. refs.

PACKAGING, Cushioning, Paper, Kraft

Jiffy 'made to measure' packaging pads. Packaging, 37 (May 66) p.108-9. il.

PACKAGING, Decorative, Cosmetics. See COSMETICS, Packaging, Decorative

PACKAGING, Design, Ireland

Irish are getting down to design. R. H. Talmadge. Packaging Rev., 86 (Sep 66) p.10-12. il.

PACKAGING, Drugs. See DRUGS, Packaging

PACKAGING, Education

Education for packaging: next steps. C. H. Bulmer & B. W. Blunden. Packaging Rev., 86 (Oct 66) p.16+. il.

PACKAGING, Eggs. See EGGS, Packaging

PACKAGING, Electrical equipment. See ELECTRICAL EQUIPMENT, Packaging

PACKAGING, Electronic components. See ELECTRONICS, Components, Packaging

PACKAGING, Electronic equipment. See ELECTRONIC EQUIPMENT, Packaging

PACKAGING, Fish. See FISH, Packaging

PACKAGING, Food. See FOOD, Packaging

PACKAGING, Frozen food. See FOOD, Frozen, Packaging

PACKAGING, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Packaging

PACKAGING, Glass bottles. See BOTTLES, Glass, Packaging

PACKAGING, Ice cream. See ICE CREAM, Packaging

PACKAGING, Industry

American Paper Institute Export Forum. C. F. Popham. Packaging, 37 (May 66) p.62+

PACKAGING, Instruments. See INSTRUMENTS, Packaging

PACKAGING, Labelling, Machines

'Jowe' high output labeller [Johann Weiss Model RO.63] Packaging, 37 (Jun 66) p.85-6. il.

PACKAGING, Liquid weedkillers. See WEEDKILLERS, Liquid, Packaging

PACKAGING, Liquids. See LIQUIDS, Packaging

PACKAGING, Machines

Auto Wrappers new factory. Packaging, 37 (Jul 66) p.37-40. il.

Flexibility, reliability and speed. S. Hetherington. Packaging Rev., 86 (Dec 66) p.6+. il.

New range of Jagenberg machines. Packaging, 37 (Mar 66) p.78-81. il.

Ooms Oliver overwrapping machines. Packaging, 37 (Oct 66) p.70-2. il.

Packaging and distribution. D. B. Cahill. Production Engr., 45 (Feb 66) p.112-25. il.

Selection of packaging machinery. J. H. Bleke. Packaging, 37 (Apr 66) p.79+

PACKAGING, Machines, Cleanliness

With cleanliness in mind. S. Hetherington. Packaging Rev., 86 (Apr 66) p.16-18. il.

PACKAGING, Machines, Manufactures, Foundries, Heating, Oil-fired, Warm air

Space heating and ventilation in a small foundry [Rose Bros. Ltd., Gainsborough] Power & Works Engng. (Apr 66) p.14-19. il.

PACKAGING, Machines, Manufactures, Foundries, Ventilation

Space heating and ventilation in a small foundry [Rose Bros, Ltd., Gainsborough] Power & Works Engng. (Apr 66) p.14-19. il.

PACKAGING, Maintenance materials, Bodies, Motor cars. See MOTOR CARS, Bodies, Maintenance, Materials, Packaging

PACKAGING, Materials, Coating, Machines

Crown Zellerbach instal a versatile multi-station coater. A. N. Aronsen. Packaging, 37 (May 66) p.94-5. il.

PACKAGING, Materials, Coatings, Extrusion, Polythene

Polyethylene extrusion-coating. D.M. Tapper. Packaging, 37 (Jun 66) p.66+. il. refs.

PACKAGING, Materials, Flexible
Flexible packaging—trends and opportunities. F. Shaw. Packaging, 37 (Feb 66) p.50-2

PACKAGING, Materials, Laminating, Machines, Manufactures
T. H. Dixon extend their manufacturing programme. Packaging, 37 (Oct 66) p.56+. il.

PACKAGING, Materials, Permeability (Water vapour) Prevention, Desiccants, Silica gel
Mopping up the moisture vapour in export packaging. F. G. Crawley. Packaging Rev., 86 (Apr 66) p.48-9

PACKAGING, Materials, Printing
Automation in packaging printing [Klausfelder SA] J. M. Fairfield. Litho Printer, 9 (Feb 66) p.55-6. il.

PACKAGING, Materials, Printing, Flexography
Flexography boom in packaging. P. S. Clark. Print in Britain, 14 (Jul 66) p.11-12

PACKAGING, Materials, Printing, Flexography, Machines
Condes-Zephir II central impression-cylinder flexographic press. Packaging, 37 (Jan 66) p.51-2. il.

PACKAGING, Materials, Printing, Inks, Manufactures
Inkmaking is a bespoke service. D. Argent & F. A. Askew. Packaging Rev., 86 (Oct 66) p.20+. il.

PACKAGING, Materials, Printing, Lithography
R & D at Metal Box. Litho Printer, 9 (Jan 66) p.46-50. il.

PACKAGING, Materials, Printing, Plates, Photo-polymer
Creative printers' expansion programme [Creative Printers Ltd.] Packaging, 37 (Nov 66) p.88+. il.

PACKAGING, Milk products. See MILK, Products, Packaging

PACKAGING, Papers
Future of paper and board. Packaging Rev., 86 (Apr 66) p.44

PACKAGING, Papers, Coating, Colour
Packaging in the perfumery and allied trades. Pt.69: speciality and coated packaging papers. F. T. Day. Perfumery & Essential Oil Record, 57 (Nov 66) p.738-41. il.

PACKAGING, Papers, Grease resistant
Related Headings:
GLASSINE

PACKAGING, Papers, Industrial design
All wrapped up. Design (Jun 66) p.61

PACKAGING, Papers, Metal-coated
Packaging in the the perfumery and allied trades. Pt.62: foils—metal papers and boards. Perfumery & Essential Oil Record, 57 (Mar 66) p.190-2

PACKAGING, Papers, Wax coated
Mass production of wrappings for the latest packaging techniques. Paper & Print, 39 (Spring 66) p. 9+. il.

PACKAGING, Perfumes. See PERFUMES, Packaging

PACKAGING, Petroleum products. See PETROLEUM, Products, Packaging

PACKAGING, Polyurethane, Coatings. See COATINGS, Polyurethane, Packaging

PACKAGING, Potato crisps. See POTATOES, Crisps, Packaging

PACKAGING, Powders. See POWDERS, Packaging

PACKAGING, Seamless stockings. See STOCKINGS, Seamless, Packaging

PACKAGING, Shock testing
Response of cargo packages to transportation—real and simulated. N. W. B. Lee. Storage Handling Distribution, 10 (May 66) p.49-51. il. refs.

PACKAGING, Strapping, Tapes, Film, Cellulose, Self-adhesive
'Controlled release' self-adhesive tape [Tape Development Ltd.] Packaging, 37 (Apr 66) p.100-2. il.

PACKAGING, Strapping, Tapes, Manufactures
Multitapes Limited open a new factory at Park Royal. Packaging, 37 (Mar 66) p.50-2. il.

PACKAGING, Sweets. See SWEETS, Packaging

PACKAGING, Tablets, Drugs. See DRUGS, Tablets, Packaging

PACKAGING, Tea. See TEA, Packaging

PACKAGING, Testing, Accelerometers
Impact-O-Graph. Instrument & Control Engng., (Nov 66) p.30-5. il.

PACKAGING, Textiles. See TEXTILES, Packaging

PACKAGING, Thermoplastic film. See FILM, Thermoplastics, Packaging

PACKAGING, Toys. See TOYS, Packaging

PACKAGING, Toroidal, Machines
Toroidal wrapping machines [Kurt Dörpinghaus] Packaging, 37 (Aug 66) p.92-3. il.

PACKAGING, Tray loading, Film, Thermoplastics, Shrinkable
Standard Knapp shrink film system. Packaging, 37 (May 66) p.50-1. il.

PACKAGING, Tubes, Aluminium, Collapsible, Printing, Photogravure
'Hot-transfer' rotogravure decoration of collapsible tubes [Andersen & Bruun's Fabriker A/S Copenhagen] O. J. Bruun. Packaging, 37 (Apr 66) p.54-5. il.

PACKAGING, Tubes, Collapsible
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PACKING, Particles, Bodies, Whiteware. See WHITEWARE, Bodies, Particles, Packing

PACKING, Printing. See PRINTING, Packing

PACKINGS, Plastics, Filtration, Effluents, Water pollution. See WATER, Pollution, Effluents, Filtration, Packings, Plastics

PACKINGS, Plastics, Filtration, Sewage treatment. See SEWAGE, Treatment, Filtration, Packings, Plastics

PACKING, Random, Packed beds. See PACKED BEDS, Packing, Random

PACKING, Random, Spheres, Packed beds. See PACKED BEDS, Spheres, Packing, Random

PADDING, Exothermic, Casting, Steel. See STEEL, Casting, Padding, Exothermic

PADDING, Reactive dyes, Dyeing, Fabrics. See FABRICS, Dyeing, Reactive dyes, Padding

PADDINGTON
See
FLATS, Westminster, Paddington
FLYOVERS, Paddington

PADS, Cork–Rubber, Rails, Concrete, Decks, Bridges, Railways. See RAILWAYS, Bridges, Decks, Concrete, Rails, Pads, Cork–Rubber

PADS, Disc brakes, Motor cars. See MOTOR CARS, Brakes, Disc, Pads

PADS, Wave profiled, Thrust bearings. See BEARINGS, Thrust, Pads, Wave profiled

PAINT
President speaks: [S. G. Barnett: Paintmakers Association] Surface Coatings, 2 (Jun 66) p.224-5
What the engineering designer should know about paints. Pt.1: types of paint. Design & Components in Engng. (13 Oct 66) p.6-14. il.

PAINT
Related Headings:
ANTI-FOULING COMPOSITIONS
WHITING

PAINT–SUBHEADING–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- *Trade marks*

- Properties
    - *Adhesion*
    - *Viscosity*
        - *Viscometers*
    - *Radioactivity*
    - *Critical pigment volume concentration*

- *Defects*
    - *Sagging*
    - *Stains*

- Technical activities
    - *Colour matching*
    - *Manufactures*
    - Application
        - *Brushes*
        - *Spraying*
        - *Rollers*
    - *Stoving*
    - *Storage*

- Materials
    - *Raw materials*
    - *Pigments*
    - *Additives*
    - *Wetting agents*

- Types
    - By property
        - *Thixotropic*
        - *Water thinned*
        - *(Stoving)*
        - *Air drying*
        - *Aerosol*
    - By vehicle or pigment
        - *Coal tar–Epoxy resin*
        - Organic
            - Plastics
                - *Alkyd resin*
                - *Acrylic*
                - *Polyurethane*
                - *Emulsion*
        - Inorganic
            - *Zinc*
            - *Zinc oxide*
            - *Titanium dioxide*
    - By purpose
        - *Fungicidal*

PAINT, Acrylic, Motor car bodies. See MOTOR CARS, Bodies, Paint, Acrylic

PAINT, Acrylic, Thermosetting
Practical applications of thermosetting acrylic resins. D. Stewart. Paint Technology, 30 (Jul 66) p.19+. il. refs.

PAINT, Additives, Surface active agents
NOPCO specialities for the paint industry. P. S. Hudson. Paint Technology, 30 (Feb 66) p.30-2

PAINT, Adhesion, Research
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PAINT, Aerosol, Spraying, Tests
Assessment of aerosol sprays. J. G. Pitt. Manufacturing Chemist, 37 (Apr 66) p.84+. il. refs.

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PAINT, Bodies, Motor cars. See MOTOR CARS, Bodies, Paint

PAINT, Bodies, Motor vehicles. See MOTOR VEHICLES, Bodies, Paint

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Brush factory raises steam from wood waste [Chadwick Hollins] Engng. & Boiler House Rev., 81 (Apr 66) p.105-6. il.

PAINT, Buildings. See BUILDINGS, Paint

PAINT, Cellulose, Bodies, Motor cars. See MOTOR CARS, Bodies, Paint, Cellulose

PAINT, Chlorinated rubber, Buildings. See BUILDINGS, Paint, Chlorinated rubber

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PAINT, Dipping, Steel radiators. See RADIATORS, Steel, Dipping, Paint

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PAINT, Excavators. See EXCAVATORS, Paint

PAINT, Finishing, Wood, Furniture. See FURNITURE, Wood, Finishing, Paint

PAINT, Fire retardant, Buildings. See BUILDINGS, Paint, Fire retardant

PAINT, Formwork, Concrete construction, Buildings. See BUILDINGS, Concrete, Construction, Formwork, Paint

PAINT, Frames, Bicycles. See BICYCLES, Frames, Paint

PAINT, Fungicidal, Pentachlorophenol
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PAINT, Heat resistant, Supersonic aircraft. See AIRCRAFT, Supersonic, Paint, Heat resistant

PAINT, Holes, Rivets. See RIVETS, Holes, Paint

PAINT, Ironing boards. See IRONING BOARDS, Paint

PAINT, Manufactures
Planning for paint production [Carrs Paints Ltd.] D. N. Carr. Industrial Finishing, 18 (Jul 66) p.24-6. il.

PAINT, Metals. See METALS, Paint

PAINT, Motor vehicle body spare parts. See MOTOR VEHICLES, Bodies, Spare parts, Paint

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Influence of the particle size and particle form of inorganic pigments on change of shade in coloured paints and lacquers. P. Kresse. J. of Oil & Colour Chemists' Ass., 49 (Oct 66) p.868-83. il. refs.

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Cut costs with high speed painting. J. I. Bearcroft. Product Finishing, 19 (Mar 66) p.77-80. il.

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PAINT, Steel. See STEEL, Paint

PAINT, Steel, Bottoms, Hulls. See HULLS, Bottoms, Steel, Paint

PAINT, Steel, Chemical engineering plant. See CHEMICAL ENGINEERING, Plant, Steel, Paint

PAINT, Steel, Drums. See DRUMS, Steel, Paint

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PAINT, Storage, Pigment distribution
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PAINT, Trade marks

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PAINT, Vinyl copolymers, Mild steel. See STEEL, Mild, Paint, Vinyl copolymers

PAINT, Viscometers, Cone and plate

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PAINTING

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DIPPING

PAINTING, Aluminium. See ALUMINIUM, Painting

PAINTING, Aluminium alloys. See ALUMINIUM, Alloys, Painting

PAINTING, Bodies, Buses. See BUSES, Bodies, Painting

PAINTING, Bodies, Commercial vehicles. See VEHICLES, Commercial, Bodies, Painting

PAINTING, Bodies, Motor cars. See MOTOR CARS, Bodies, Painting

PAINTING, Bodies, Motor coaches. See MOTOR COACHES, Bodies, Painting

PAINTING, Bodies, Motor vehicles. See MOTOR VEHICLES, Bodies, Painting

PAINTING, Bodies, Vans. See VANS, Bodies, Painting

PAINTING, Buildings. See BUILDINGS, Painting

PAINTING, Carpet sweepers. See CARPET SWEEPERS, Painting

PAINTING, Discs, Agricultural machinery. See AGRICULTURAL MACHINERY, Discs, Painting

PAINTING, Dishwashers. See DISHWASHERS, Painting

PAINTING, Electric heating equipment, Buildings. See BUILDINGS, Heating, Electric, Equipment, Painting

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PAINTING, Hot dip galvanised steel. See STEEL, Galvanised, Hot dip, Painting

PAINTING, Household appliances. See HOUSEHOLD APPLIANCES, Painting

PAINTING, Metals, Building materials. See METALS, Building materials, Painting

PAINTING, Motor car accessories. See MOTOR CARS, Accessories, PAINTING, Motor car parts. See MOTOR CARS, Parts, Painting

PAINTING, Motor cycle parts. See MOTOR CYCLES, Parts, Painting

PAINTING, Plasterboard linings, Walls, Buildings. See BUILDINGS, Walls, Linings, Plasterboard, Painting

PAINTING, Platforms, Off-shore drilling, Natural gas. See GAS, Natural, Drilling, Off-shore, Platforms, Painting

PAINTING, Platforms, Off shore drilling, Petroleum. See PETROLEUM, Drilling, off shore, Platforms, Painting

PAINTING, Prefabricated housing. See HOUSING, Prefabrication, Painting

PAINTING, Scale, Steel. See STEEL, Scale, Painting

PAINTING, Ships. See SHIPS, Painting

PAINTING, Sprayed aluminium coatings, Steel. See STEEL, Coatings, Aluminium, Sprayed, Painting

PAINTING, Sprayed zinc coatings, Steel. See STEEL, Coatings, Aluminium, Sprayed, Painting

PAINTING, Steel. See STEEL, Painting

PAINTING, Steel plates, Bottoms, Hulls. See HULLS, Bottoms, Plates, Steel, Painting

PAINTING, Steel plates, Ships. See SHIPS, Plates, Steel, Painting

PAINTING, Street furniture. See STREETS, Furniture, Painting

PAINTING, Suspension bridges. See BRIDGES, Suspension, Painting

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DAMS, Mangla
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PALLETS, Paper, Printing. See PRINTING, Paper, Pallets

PALLETS, Testing

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Bonding of tiles and paint to treated concrete [N. B. S. Institute for Applied Technology] Paint Technology, 30 (Aug 66) p.17

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American urethane sandwich panels [Air Products & Chemicals Inc., Pennsylvania] Rubber & Plastics Age, 47 (Jul 66) p.764. il.

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New development machine for the continuous lamination of rigid urethane foam [ICI Dyestuffs Division at Blackley, Manchester] Rubber & Plastics Age, 47 (Jan 66) p.57-9. il.

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On energy and complementary energy formulations of acoustic and structural vibration problems. G. M. L. Gladwell & G. Zimmermann. J. of Sound & Vibration, 3 (May 66) p.233-41. il. refs.

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PANELS, Expanded polyurethane, Prefabricated engineering services, Housing. See HOUSING, Engineering services, Prefabricated, Panels, Polyurethane, Expanded

PANELS (Flats) Concrete, Casting, Moulds, Battery

On-site battery casting. C. N. Craig. Architect & Building News, 230 (14 Dec 66) p.1051-7. il. refs.

PANELS (Flats) Plastics, Reinforced—Glass fibre

Fibreglass for building [Flats, Walterton Rd., W.9.] Glass Age, 9 (Feb 66) p.35-7. il.

Greater London Council choose RP for flats. Applied Plastics, 9 (Jan 66) p.13-14. il.

Plastics-clad housing. Official Architecture & Planning, 29 (Jan 66) p.121. il.

PANELS, Honeycomb, Aircraft structures. See AIRCRAFT, Structures, Panels, Honeycomb

PANELS (Houses) Wood

Wall panel system: two-storey housing at Albertslund Syd, Copenhagen, Denmark. Architects' J., 144 (27 Jul 66) p-225-6. il.

PANELS, Low temperature electric heating, Buildings. See BUILDINGS, Heating, Electric, Low temperature, Panels

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PANELS, Plastics, Reinforced, Low pressure hot water equipment, Heating, Buildings. See BUILDINGS, Heating, Hot water, Low pressure, Equipment, Panels, Plastics, Reinforced

PANELS, Polyester—Glass fibre, Catamaran, Boats. See BOATS, Catamaran, Panels, Polyester—Glass fibre

PANELS, Sandwich, Structures, Aircraft. See AIRCRAFT, Structures, Panels, Sandwich

PANELS (Solariums) Acrylic plastics

Solarium using plastics [Derby Castle] Architect & Building News, 229 (11 May 66) p.867. il.

PANELS, Walls, Buildings. See BUILDINGS, Walls, Panels

PANORAMIC CAMERAS. See CAMERAS, Panoramic

PANS, Coating, Tablets, Drugs. See DRUGS, Tablets, Coating, Pans

PANS, Dry, Grinding, Clay, Bricks. See BRICKS, Clay Grinding, Pans, Dry

PANS, Heating, Massecuite, Sugar. See SUGAR, Massecuite, Heating, Pans

PANS, Jacketed, Mixing, Drug manufactures. See DRUGS, Manufactures, Mixing, Pans, Jacketed

PANS, Steel, Stainless, Evaporators. See EVAPORATORS, Pans, Steel, Stainless

PANTOGRAPHS, Overhead power transmission lines, Electric railways. See RAILWAYS, Electric, Power transmissions lines, Overhead, Pantographs

PAPAIN, Stabilisers, Beer. See BEER, Stabilisers, Papain

PAPER

Paper: development and progress in recent years. J. W. Illingworth. Textile Manufacturer, 92 (Mar 66) p.101-3

PAPER

Related Headings:

- NEWSPRINT
- STATIONERY
- WALLPAPERS

PAPER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Anisotropy*
  - *Thickness*
  - Sizes
    - *Trim*
  - *Ageing*
  - Mechanical properties
    - *Tensile tests*

- *Mills*

- Technical activities
  - *Testing*
  - *Inspection*
  - Conditioning
  - Converting
  - *Finishing*
  - Coating
    - *Sizing*
  - Cutting
    - *Guillotines*
  - *Sectioning*
  - Winding
    - *Reels*
  - *Sorting*
  - *Storage*
  - *Transport*

- *Waste*

- Types of paper
  - *Vertical*
  - *Alkaline*
  - *Coated*
  - *Greaseproof*
  - *Tissue*
  - *No carbon required*
  - *Kraft*

- Applications
  - *Electrical insulating materials*

PAPER, Ageing

Some direct observations on the ageing of paper. F. L. Hudson & C. J. Edwards. Paper Technology, 7 (Feb 66) p.27-8. il. refs.

PAPER, Alkaline

Production of alkaline paper. Paper Maker, 151 (Jan 66) p.40-1

PAPER, Anisotropy

Some aspects of anisotropy in the conversion of paper and board. B. A. Kamath. Paper Maker, 152 (Sep 66) p.66+ refs.

PAPER, Board. See BOARD, Paper

PAPER, Board, Boxes. See BOXES, Paper board

PAPER, Board, Cartons. See CARTONS, Paper board

PAPER, Board, Containers. See CONTAINERS, Board

PAPER, Cables. See CABLES, Electric, Paper

PAPER, Coated, Inspection, Scanners, Flying spot

Electronic sorting machines—operation and development. F. Church. Paper Technology, 7 (Jun 66) p.258-62. il.

PAPER, Coated, Packaging, Perfumes. See PERFUMES, Packaging, Paper, Coated

PAPER, Coated, Printing. See PRINTING, Paper, Coated

PAPER, Coated, Reels, Winders

Winding of coated papers. J.B. Fishwich & L. Jowsey. Paper Technology, 7 (Jun 66) p.251-7. il. refs.

PAPER, Coated, Research

Research centre to study coated paper problems. [Euro Centre Paper Laboratories, Krefeld, Germany] Brit. Printer, 79 (Sep 66) p.105-9. il.

PAPER, Coated, Sheet-fed offset lithography. See LITHOGRAPHY, Sheet-fed offset, Paper, Coated

PAPER, Coated, Supercalenders

Supercalenders for coated papers. J. Sharpe. Paper Technology, 7 (Jun 66) p 249-51. il.

PAPER, Coating

James Brown starts new high-speed coating line [Esk Mills, Penicuik] World's Paper Trade Rev., 165 (23 Jun 66) p1828+. il.

Producing and using coated papers. F. T. Day. Brit. Printer, 79 (Jan 66) p.104-7. il.

Why coating? L.A. Burt. Paper Technology, 7 (Jun 66) p.212-15

PAPER, Coating, China clay

China clay supplied in new forms—spray dried or as a slurry [English Clays Lovering Pochin & Co. Ltd.] Paper Maker Annual Review No. (1965) p.94

PAPER, Coating, Control systems, Computers, Programs

Programmation de machine. Pt.2: une methode d'application à un systeme complexe de couchage. E. Jowett. Paper Maker (International no. 1966) p.96+. il.

PAPER, Coating, Drying

Aerofoil nozzles have a three times greater blowing force [VITS coating plant at the Samum works, Vienna] Paper Making, 152 (Sep 66) p.75-6

PAPER, Coating, Drying, Machines

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PAPER, Coating, Machines

Design and operation of coater systems. C.R. Dawson. Paper Technology, 7 (Jun 66) p.217-24. il.

Engineering characteristics and selection of on-machine coating equipment. R.S. Haven. Paper Technology, 7 (Jun 66) p.224-31. il.

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Jointine Products' new coater. Paper Maker, 157 (Apr 66) p.57-8

Jointine Products starts up £200,000 coater, opens new laboratory. World's Paper Trade Rev., 165 (31 Mar 66) p.920+. il.

'Unique' paper machine: coating developments [Pulp and Paper Research Institute of Canada] World's Paper Trade Rev., 166 (25 Aug 66) p.538+

PAPER, Coating, Machines, Trailing blade

Reed Group's £2 million investment in trailing blade coating. World's Paper Trade Rev., 166 (15 Sep 66) p.748+. il.

PAPER, Coating, Mixing

Some thoughts on coating slip batch mixing. G. Dyer. Paper Technology, 7 (Jun 66) p.215-17

PAPER, Coating, Plant

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New coating research and development centre for European paper industry: 'Euro Centre Paper' opened in W. Germany. World's Paper Trade Rev., 165 (17 Mar 66) p.773+. il.

PAPER, Coating, Solvent

Solvent coating. S. E. Sorrell. Paper Maker, 152 (Nov 66) p.72-6

PAPER, Coating, Web tension

Design considerations for coating machine drives. J. C. Waddington. Paper Technology, 7 (Jun 66) p.263-5

PAPER, Conditioning

Relieving stresses in paper as a part of the manufacturing process. D. R. Barbour. World's Paper Trade Rev., 166 (3 Nov 66) p.1301+. il.

Selling water. Paper Maker, 152 (Nov 66) p.47-8

PAPER, Conditioning, Machines

Notable advance in paper conditioning [Wansbrough Paper Co. Ltd.] World's Paper Trade Rev., 165 (19 May 66) p.1448+. il.

PAPER, Conducting, Simulation, Meniscus electrodes. See ELECTRODES, Meniscus, Simulation, Paper, Conducting

PAPER, Conductive, Analogues, Radiation pattern synthesis, Arrays, Aerials. See AERIALS, Arrays, Radiation, Patterns, Synthesis, Analogues, Paper, Conductive

PAPER, Converting, Machines, Manufactures, Architecture

Special industries: paper conversion machinery works. Architects' J., 143 (15 Jun 66) information sheet 1393

PAPER, Cutting, Machines

New sorter-cutter at Stoneywood [Aberdeen] Paper & Print, 38 (Winter 65) p.294

PAPER, Electrical insulating materials

Paper insulation in the electrical industry. D. T. Hollingsworth. Proc. of Instn. of Electrical Engrs., 113 (Jan 66) p.89-8. il.

PAPER, Electrical insulating materials, Manufactures

High grade paper making plant extended [Brittains Ltd., Cheddleton, Staffs] Electrical Rev., 179 (15 Jul 66) p.96-7. il.

Processing of paper insulation, dehydration and impregnation. M. J. Dvornik. Electronic Components, 7 (Oct 66) p.949-52. il.

PAPER, Finishing, Machines

Design engineer looks at the finishing end. H. Osborn. Paper Technology, 7 (Oct 66) p.450-9. il.

PAPER, Greaseproof, Supercalenders

First Appleton/Farmer Norton supercalender in Europe [Grove Mill Paper Co. Ltd., near Stockport, Cheshire] Paper Maker 152 (Aug 66) p.34-5. il.

PAPER, Guillotines

First 86 in. Krause-Wohlenberg guillotine in Britain. World's Paper Trade Rev., 166 (1 Sep 66) p.602+. il.

Guillotines for the small offset plant. R. Burnham. Litho Printer, 8 (Dec 65) p.62-3. il.

Guillotines for the small offset plant. R. Burnham. Print in Britain, 13 (Dec 65) p.42-3. il.

Polar guillotines: special retractable side gauge [Adolf Mohr works at Hofheim, Frankfurt am Main] Printing & Binding Trade Rev., 9 (Sep 66) p.27-8. il.

PAPER, Guillotines, Mechanical handling

Efficient paper handling at the guillotine [Causton Press Ltd, Eastleigh, Hants] Paper & Print, 38 (Winter 65) p.281+. il.

PAPER, Inspection

Finishing, handling and packaging of paper reels, pt.2 R. A. L. Butcher. Paper Maker, 151 (Jul 66) p.44+. il.

PAPER, Kraft, Cushioning, Packaging. See PACKAGING, Cushioning, Paper, Kraft

PAPER, Kraft, Lining, Corrugated paper board. See BOARD, Paper, Corrugated, Lining, Kraft paper

PAPER, Kraft, Manufactures

Integrated kraft pulp and paper mill at Plaski, Yugoslavia. H. Dooley. English Electric J., 20 (Nov/Dec 65) p.25-39. il.

PAPER, Kraft, Manufactures, Control systems, Computers

Integrated control of paper production [Billerud company's paper mill, Gruvon, Sweden] Control, 10 (Nov 66) p.583-5. il.

PAPER, Labels. See LABELS, Paper

PAPER, Laminated, Catering establishments. See CATERING ESTABLISHMENTS, Paper, Laminated

PAPER, Mechanical handling devices, Printing machines. See PRINTING, Machines, Paper handling devices

PAPER, Mills, Architecture

£15m Fort William project for Scottish Pulp and Paper Mills. Consulting Engr., 30 (Oct 66) p.56+. il.

£15M. paper mill complex [Wiggins Teape at Corpach, Fort William, Scotland] Contract J., 212 (4 Aug 66) p.511+. il.

Paper-mill bridge — new Nervi structure. Concrete Q. (Jan/Mar 66) p.26-7. il.

Scottish pulp & paper mills, Fort William [Wiggins Teape] Industrial Architecture, 9 (Nov 66) p.544+. il.

Special industries: paper manufacture. Architects' J., 143 (15 Jun 66) information sheet 1392. il. refs.

PAPER, No carbon required, Precollated

Pre-collated NCR paper will help small printers [Wiggins Teape Group] World's Paper Trade Rev., 165 (17 Mar 66) p.762+. il.

PAPER, Offset lithography. See LITHOGRAPHY, Offset, Paper

PAPER, Oil impregnated, Electric cables. See CABLES, Electric, Paper, Oil impregnated

PAPER, Oil impregnated, Insulation, Transformers. See TRANSFORMERS, Insulation, Paper, Oil impregnated

PAPER, Packaging materials. See PACKAGING, Papers

PAPER, Packaging materials, Perfumes. See PERFUMES, Packaging, Papers

PAPER, Photogravure. See PHOTOGRAVURE, Paper

PAPER, Printing. See PRINTING, Paper

PAPER, Properties, Effect of papermaking machine operation

Some properties of paper that are affected by the operation of the paper machine (extracts) W. Brecht. Paper Maker, 151 (May 66) p.73-6. il.

PAPER, Reels

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PAPER, Reels, Winders, Control systems, Simulators

Simulating new forms of drive for the paper industry. H. Dooley. English Electric J., 21 (Jan/Feb 66) p.8-10. il.

PAPER, Rotary printing machines. See PRINTING, Machines, Rotary, Paper

PAPER, Sacks. See SACKS, Paper

PAPER, Sacks, Packaging, Glass bottles. See BOTTLES, Glass, Packaging, Sacks, Paper

PAPER, Sacks, Packaging, Powders. See POWDERS, Packaging, Sacks, Paper

PAPER, Sacks, Refuse collection. See REFUSE, Collection, Sacks, Paper

PAPER, Sectioning

Review of sectioning techniques for paper and board: technical study no.13 (summary) H. A. Wigg & R. Nelson. What We Are Doing (Jun 66) p.18-20. il.

PAPER, Sheet fed offset, Lithography. See LITHOGRAPHY, Sheet fed offset, Paper

PAPER, Sizing, Machines

Size press additives. W. P. Walker. Paper Technology, 7 (Feb 66) p.38-42

PAPER, Sorting, Machines

New sorter-cutter at Stoneywood [Aberdeen] Paper & Print, 38 (Winter 65) p.294

PAPER, Storage, Buildings

New Bristol warehouse for Wiggins Teape. Paper & Print, 38 (Winter 65) p.287-8. il.

PAPER, Surfaces, Roughness, Effect on speckle, Photogravure. See PHOTOGRAVURE, Speckle, Effect of paper surface roughness

PAPER, Tape, Data recording. See DATA LOGGING, Paper tape

PAPER, Tape, Punched, Business machines. See BUSINESS MACHINES, Punched paper tape

PAPER, Tape, Punched, Data logging, Water consumption, Flats. See FLATS, Water, Consumption, Data logging, Paper tape

PAPER, Tape, Punched, Data processing, Operation, Bus transport. See BUSES, Transport, Operation, Data processing, Punched paper tape

PAPER, Tape, Punched, Input units, Computers. See COMPUTERS, Input units, Paper tape, Punched

PAPER, Tensile tests, Recording, Equipment

Data logging of tensile tests [Solatron data logger] D. F. Booth. What We Are Doing (Dec 65) p.25-32. il.

PAPER, Testing, Presses, Platens, Nuts, Cock

Cock nuts. F. A. Bridger. What We Are Doing (Dec 65) p.37-8. il.

PAPER, Thickness, Measurement

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PAPER, Thickness, Measurement, Air gauging

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PAPER CHROMATOGRAPHY, Amino acids. See AMINO ACIDS, Chromatography, Paper

PAPER CHROMATOGRAPHY, 4-Aminobiphenyl determination, Aromatic amines. See AMINES, Aromatic, Determination of 4-aminobiphenyl, Chromatography, Paper

PAPER CHROMATOGRAPHY, Antioxidants, Rubber. See RUBBER, Antioxidants, Chromatography, Paper

PAPER CHROMATOGRAPHY, Imidazole. See IMIDAZOLE, Chromatography, Paper

PAPER CHROMATOGRAPHY, Purines. See PURINES, Chromatography, Paper

PAPER CHROMATOGRAPHY, Pyrimidines. See PYRIMIDINES, Chromatography, Paper

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This synopsis shows, in italic, related subheadings which are seperated in the alphabetical sequence following.

- History
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  - *Acrylic plastics*
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  - *Rosin*
- Products
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SUPERCALENDERS

PAPERMAKING, Cleaning, Chemicals

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NEUTRONS
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PARTICLES, Fundamental

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- MOTORWAYS, Perth (Australia)
- WESTERN AUSTRALIA. UNIVERSITY

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- WATER, Engineering, Perth

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PETROLEUM
Related Headings:
- BITUMEN
- DIESEL ENGINES, Fuels
- FUEL OIL
- GAS OIL
- KEROSINE
- NAPHTHA
- PETROCHEMICALS
- PETROL
- WHITE MINERAL OIL

PETROLEUM–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *History*

- *Research*

- *Information services*

- Properties
- *Physics*
  - *Density*
  - *Irradiation*
- *Chemistry*
  - *Carbon*
  - *Wax*

- Problems
  - *Fires*

  - Analysis
    - *Chromatography*
    - *Gas chromatography*
    - *Spectroscopy*
    - *Determination of*

- *Geology*
  - *Genesis*
  - *Reservoirs*

- *Production*
  - *Engineering*
  - *Prospecting*
  - *Drilling*
  - *Refining*
    - *Chemical engineering*
    - *Refineries*
  - *Cooling*
  - *Handling*
- *Storage*
- *Transport*
  - *Pipelines*

- *Products*
  - *Light distillates*
  - *Fuels*

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PHASE DIAGRAMS, Bismuth–Germanium–Silicon. See BISMUTH–GERMANIUM–SILICON, Phase diagrams
PHASE DIAGRAMS, Chrome–magnesite refractories. See CHROME–MAGNESITE, Refractories, Phase diagrams
PHASE EQUILIBRIA. See EQUILIBRIA, Phase

PHASE ERRORS, Measurement, Stereo radio. See RADIO, Stereo, Phase errors, Measurement

PHASE INDICATORS, Stereo sound reproduction. See SOUND, Reproduction, Stereo, Phase indicators

PHASE LOCKING X-BAND SUPERHETERODYNE SPECTROMETERS, Electron spin resonance. See ELECTRON SPIN RESONANCE, Spectrometers, Superheterodyne, X-band, Phase locking

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PHASE REVERTERS, Compensation, Ohmic drop, Voltaic cells. See CELLS, Voltaic, Ohmic drop, Compensation, Phase reverters

PHASE SENSITIVE DETECTORS. See DETECTORS, Phase sensitive

PHASE SEPARATION, Lithia–Silica, Glass. See GLASS, Lithia–Silica, Phase separation

PHASE SEPARATION, Methyl acetate solutions, Polystyrene. See POLYSTYRENE, Solutions, Methyl acetate, Phase separation

PHASE SHIFT, Velocity measurement, Water, Propagation, Sound. See SOUND, Propagation (Water) Velocity, Measurement, Phase shift

PHASE SHIFT, Velocity measurement, Water, Propagation, Ultrasonics. See ULTRASONICS, Propagation (Water) Velocity, Measurement, Phase shift

PHASE SHIFT FEEDBACK AMPLIFIERS. See AMPLIFIERS, Feedback, Phase shift

PHASE-SHIFT OSCILLATORS. See OSCILLATORS, Phase-shift

PHASE SHIFTERS, Power transmission lines, Transformers

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PHASE TRANSFORMATIONS

Related Headings:

REVERSION

PHASE TRANSFORMATIONS, Aluminium–Copper. See ALUMINIUM–COPPER, Phase transformations

PHASE TRANSFORMATIONS, Crystals, Inorganic compounds. See INORGANIC COMPOUNDS, Crystals, Phase transformation

PHASE TRANSFORMATIONS, Electrodeposited cadmium–copper. See CADMIUM–COPPER, Electrodeposited, Phase transformations

PHASE TRANSFORMATIONS, Size reduction. See SIZE REDUCTION, Phase transformations

PHASE VELOCITY, Beams, Crossed field electron tubes. See ELECTRON TUBES, Crossed field, Beams, Phase velocity

PHASEOLUNATIN. See LINAMARIN

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PHELLANDRON

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o-PHENANTHROLINE–CUPRIC NITRATE. See CUPRIC NITRATE–o-PHENANTHROLINE

1-PHENETHYL-4-CARBETHOXY-2-OXO-3-HYDROXY-PYRROLINE–CHLOROFORM, Reagents, Spot tests, Iron. See IRON, Spot tests, Reagents, 1-Phenethyl-4-Carbethoxy-2-oxo-3-hydroxy-pyrroline–Chloroform

PHENIDONE, Developers, Cinematography. See CINEMATOGRAPHY, Developers, Phenidone

PHENIDONE, Oxidation, Caustic soda solutions

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PHENOLS

Related Headings:

POLYPHENOLS

PHENOLS, Monohydric, Gas–liquid chromatography.

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PHENOLS, Worts, Brewing. See BREWING, Worts, Phenols

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PHENYLATION, Benzonorbornadiene–Benzoyl peroxide, *anti*-7-Phenylbenzonorbornadiene production. See *anti*-7-PHENYLBENZONORBORNADIENE, Production, Benzonorbornadiene–Benzoyl peroxide, Phenylation

***anti*-7-PHENYLBENZONORBORNADIENE, Production, Benzonorbornadiene–Benzoyl peroxide, Phenylation, Catalysts, Copper bromide**

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PHENYLHYDROXYLAMINE–TRIETHYLAMINE–BENZENE, Reaction with o-phenylene phosphorochloridite. See o-PHENYLENE PHOSPHOROCHLORIDITE, Reaction with benzene–phenylhydroxylamine–triethylamine

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PHENYLMERCURY COMPOUNDS, Fungicidal paint. See PAINT, Fungicidal, Phenylmercury

1-PHENYLPENT-1-EN-4-YN-3-OL, Rearrangement, Acid catalysed

Acid-catalysed rearrangement of 1-phenylpent-1-en-4-yn-3-ol. R. C. Cambie & T. D. R. Manning. Chemistry & Industry (5 Nov 66) p.1884-5. il. refs.

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1-PHENYL-3-PYRAZOLIDONE. See PHENIDONE

PHILIPPINES

See

METALS, Mining, Philippines

PHLOROGLUCINOL, Reagents, Colorimetry, Neomycin determination. See NEOMYCIN, Determination, Colorimetry, Reagents, Phloroglucinol

PHONON SCATTER, Electrons. See ELECTRONS, Scattering, Phonons

PHOSPHATE BONDED MOULDS, Investment casting. See CASTING, Investment, Moulds, Phosphate bonded

PHOSPHATES, Adsorption, Sodium dihydrogen phosphate solutions, Passivation, Iron. See IRON, Passivation, Sodium dihydrogen phosphate solutions, Phosphate adsorption

PHOSPHATES, Coatings. See COATINGS, Phosphates

PHOSPHATES, Collectors, Flotation, Purification, Sugar. See SUGAR, Purification, Flotation, Collectors, Phosphates

PHOSPHATES, Determination, Sewage. See SEWAGE, Determination of phosphates

PHOSPHATES, Determination, Water. See WATER, Determination of phosphates

PHOSPHATES, Determination, Water pollution. See WATER, Pollution, Determination of phosphates

PHOSPHATES, Sewage. See SEWAGE, Phosphates

PHOSPHINE, Determination, Conductimetry

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PHOSPHINE, Liberation, Machining, Nodular iron, Rolls. See ROLLS, Iron, Nodular, Machining, Phosphine liberation

PHOSPHOLIPIDS, Determination of ethanolamine, Colorimetry

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PHOSPHOLIPIDS, Determination of serine, Colorimetry

Determination of ethanolamine and serine in phospholipids. A. J. de Koning. Analyst, 91 (Aug 66) p.523-5. refs.

PHOSPHOLIPIDS, Flesh, Abalones. See ABALONES, Flesh, Phospholipids

PHOSPHOLIPIDS, Hake. See HAKE, Phospholipids

PHOSPHOLIPIDS, Spiny lobsters. See LOBSTERS, Spiny, Phospholipids

PHOSPHOMOLYBDIC ACID, Spectrophotometry, Phosphorus determination. See PHOSPHORUS, Determination, Spectrophotometry, Phosphomolybdic acid

PHOSPHORESCENCE, Spectroscopy. See SPECTROSCOPY, Phosphorescence

PHOSPHORIC ACID, Production

Phosphate substitution in calcium sulphate in phosphoric acid manufacture. S. D. Dahlgren. Brit. Chemical Engng., 10 (Nov 65) p.776-7. il. refs.

PHOSPHORIC ACID, Solutions, Cobalt anodes. See ANODES, Cobalt, Phosphoric acid solutions

PHOSPHORIC ANHYDRIDE, Triple superphosphate production. See SUPERPHOSPHATE, Triple, Production, Phosphoric anhydride

PHOSPHORIC ANHYDRIDE–COBALTOUS OXIDE. See COBALTOUS OXIDE–PHOSPHORIC ANHYDRIDE

PHOSPHORIC ANHYDRIDE–NICKEL OXIDE. See NICKEL OXIDE–PHOSPHORIC ANHYDRIDE

PHOSPHORIC OXIDE. See PHOSPHORIC ANHYDRIDE

PHOSPHORS, Plastics, Sources, Light. See LIGHT, Sources, Phosphors, Plastics

PHOSPHORS, Spectroscopy, Reflectance, Ultraviolet, Vacuum, Equipment

Vacuum ultra-violet spectrometer for measurements on phosphor powders. C. Greaves. J. of Scientific Instruments, 43 (Sep 66) p.629-32. il. refs.

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PHOSPHORUS, Determination, Spectrophotometry, Phosphomolybdic acid, Solvent extraction

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PHOSPHORUS, Hypereutectic alloy additives, Aluminium–Silicon. See ALUMINIUM–SILICON, Hypereutectic alloys, Additives, Phosphorus

PHOSPHORUS, Organic compounds. See ORGANOPHOSPHORUS COMPOUNDS

PHOSPHORUS–COBALT–NICKEL, Films. See FILMS, Cobalt–Nickel–Phosphorus

PHOSPHOROUS PENTASULPHIDE, Lubricating oil additive production. See LUBRICATING OILS, Additives, Production, Phosphorous pentasulphide

PHOSPHORUS PENTASULPHIDE-4-OXO-2-THIO-3,4-DIHYDRO-1,3-2H-THIAZINE–PYRIDINE, 1,2-Dithiol-3-thione production. See 1,2-DITHIOL-3-THIONE, Production Phosphorus pentasulphide–4-Oxo-2-thio-3,4-dihyro-1,3-2H-thiazine–Pyridine

PHOSPHORUS PENTOXIDE. See PHOSPHORIC ANHYDRIDE.

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PHOSPHORYLATION, Fibres, P.V.A. See P.V.A., Fibres, Phosphorylation

PHOSPHYLATED 2-PYRIDINE OXIMES. See 2-PYRIDINE OXIMES, Phosphylated

PHOTOCHEMICAL CROSS LINKING, Copolymers, Vinyl-iso-butyl ether–Vinyl chloride. See VINYL-iso-BUTYL ETHER–VINYL CHLORIDE, Copolymers, Cross linking, Photochemical

PHOTOCHEMICAL ETCHING, Copper, Laminates, Printed circuits. See CIRCUITS, Electronics, Printed, Laminates, Copper, Etching, Photochemical

PHOTOCHEMICAL REDUCTION, 5-Fluoro-orotic acid. See 5-FLUORO-OROTIC ACID, Reduction, Photochemical

PHOTOCHEMISTRY

Related Headings:

PHOTOLYSIS

PHOTOCHEMISTRY, Solutions (Organic solvents) Anthraquinone dyes. See ANTHRAQUINONE DYES, Solutions (Organic solvents) Photochemistry

PHOTOCONDUCTIVE CELLS, Position measurement, Moiré fringes, Interferometry. See INTERFEROMETRY, Moiré fringes, Position measurement, Photoconductive cells

PHOTOCONDUCTIVE CELLS, Secondary, Effect of resistors

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PHOTOCONDUCTIVITY, Dyed textiles. See TEXTILES, Dyed, Photoconductivity

PHOTOCOPYING

Related Headings:

ELECTROPHOTOGRAPHY
MICROFILM

PHOTOCOPYING, Costs

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PHOTOCOPYING, Paper, Sensitised

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PHOTOELASTIC STRAIN GUAGES, Structures. See STRUCTURES, Strain gauges, Photoelastic

PHOTOELASTICITY

Related Headings:

BIREFRINGENCE

PHOTOELASTICITY

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PHOTOELASTICITY, Coatings, Plastics

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PHOTOELASTICITY, Blades, Air turbines. See AIR TURBINES, Blades, Roots, Photoelasticity

PHOTOELASTICITY, Frozen stress, Heterogeneous materials. See MATERIALS, Heterogeneous, Photoelasticity, Frozen stress

PHOTOELASTICITY, Load cells, Pit props. See PIT PROPS, Load cells, Photoelasticity

PHOTOELASTICITY, Oriented polythene, Sheets. See SHEETS, Polythene, Oriented, Photoelasticity

PHOTOELASTICITY, Restrained shrinkage, Rectangular plates. See PLATES, Rectangular (Shrinkage, Restrained) Photoelasticity

PHOTOELECTRIC CELLS

Related Headings:

PHOTOCONDUCTIVE CELLS
PHOTOEMISSIVE CELLS
PHOTOVOLTAIC CELLS

PHOTOELECTRIC CELLS, Lead sulphide, Radiation pyrometers, Temperature measurement, Hot extrusion, Aluminium. See ALUMINIUM, Extrusion, Hot, Temperature, Measurement, Pyrometers, Radiation, Photoelectric cells, Lead sulphide

PHOTOELECTRIC CELLS, Moment distribution measurement, Shape recognition machines. See SHAPE RECOGNITION MACHINES, Moment distribution, Measurement, Photoelectric cells

PHOTOELECTRIC CELLS, Silicon, Radiation pyrometers, Temperature measurement, Hot extrusion, Aluminium. See ALUMINIUM, Extrusion, Hot, Temperature, Measurement, Pyrometers, Radiation, Photoelectric cells, Silicon

PHOTOELECTRIC COLOUR SORTING, Separation, Mineral dressing. See MINERAL DRESSING, Separation, Colour sorting, Photoelectric

PHOTOELECTRIC COLOUR TEMPERATURE METERS. See COLOUR TEMPERATURE METERS, Photoelectric

PHOTOELECTRIC CONTROL SYSTEMS, Conveyors. See CONVEYORS, Control systems, Photoelectric

PHOTOELECTRIC CONTROL SYSTEMS, Machine tools, Automatics. See AUTOMATICS, Machine tools, Control systems, Photoelectric

PHOTOELECTRIC CONTROL SYSTEMS, Milling machines. See MILLING, Machines, Control systems, Photoelectric

PHOTOELECTRIC CONTROL SYSTEMS, Weft straighteners, Finishing, Fabrics. See FABRICS, Finishing, Weft straighteners, Control systems, Photoelectric

PHOTOELECTRIC DENSITY METERS, Distillation, Butane production. See BUTANE, Production, Distillation, Monitoring, Density meters, Photoelectric

PHOTOELECTRIC DETECTORS, Low intensity spark discharge, Gases. See GASES, Spark discharge, Low intensity, Detectors, Photoelectric

PHOTOELECTRIC DETECTORS, Optical communications engineering. See COMMUNICATIONS, Engineering, Optical, Detectors, Photoelectric

PHOTOELECTRIC GALVANOMETERS. See GALVANOMETERS, Photoelectric

PHOTOELECTRIC MEASUREMENT, Amplitude ratio, Oscillating components, Instruments. See INSTRUMENTS, Components, Oscillating, Amplitude ratio, Measurement, Photoelectric

PHOTOELECTRIC MEASUREMENT, Phase angle, Oscillating components, Instruments. See INSTRUMENTS, Components, Oscillating, Phase angle, Measurement, Photoelectric

PHOTOELECTRIC MIXING, Laser beams, Millimetre wave frequency generation. See MILLIMETRE WAVE FREQUENCY, Generation, Laser beams, Photoelectric mixing

PHOTOELECTRIC RECORDING, Logarithmic decrement, Torsion pendulums, Internal friction measurements, Glass. See GLASS, Friction, Internal, Measurements, Pendulums, Torsion, Logarithmic decrement, Recording, Photoelectric

PHOTOELECTRIC REMOTE INDICATION, Buses. See BUSES, Remote indication, Photoelectric

PHOTOELECTRIC SCANNING, Colour separations, Half-tone illustrations. See ILLUSTRATIONS, Half-tone, Colour separations, Scanning, Photoelectric

PHOTELECTRIC VISCOMETERS. See VISCOMETERS, Photoelectric

PHOTOELECTRICITY

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PHOTOELECTRICITY

Related Headings:

SCANNING

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PHOTOEMISSIVE CELLS, Travelling wave
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Standards of depth and quality in line and halftone blocks. R. V. Cannon. Print in Britain, 14 (Sep 66) p.37+. il.

PHOTOENGRAVING, Plates, Metals
Metals: raw material of photo-engraving. R. V. Cannon. Print in Britain, 14 (May 66) p.44-5. il.
Metals for photo-engraving, pt.2. R. V. Cannon. Print in Britain, 14 (Jun 66) p.56

PHOTOENGRAVING, U.S.A.
Photo-engraving trends in the United States. R. V. Cannon. Print in Britian, 13 (Feb 66) p.22+. il.
Printing and photoengraving development in the United States of America. R. V. Cannon. Graphic Technology (Jul 66) p.9-16. il.

PHOTOENGRAVING, West Germany
High cost and labour shortage pave the way to automation. R. V. Cannon. Print in Britain, 14 (Nov 66) p.32-5. il.

PHOTOGRAMMETRY, Cameras, Orientation equipment
Use of airborne instruments in the determination of absolute orientation elements. W. Schermerhorn. Photogrammetric Record, 5 (Oct 66) p.271-88. il. refs.

PHOTOGRAMMETRY, Die design, Pressworking, Bodies, Motor cars. See MOTOR CARS, Bodies, Pressworking, Dies, Design, Photogrammetry

PHOTOGRAMMETRY, Drawings, Engineering. See ENGINEERING, Drawings, Photogrammetry

PHOTOGRAMMETRY, Rectifiers
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PHOTOGRAMMETRY, Stereoplotters, Orientation, Relative
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PHOTOGRAPHIC INSTRUMENTS, Traffic engineering. See TRAFFIC ENGINEERING, Instruments, Photographic

PHOTOGRAPHIC STORAGE UNITS. See STORAGE UNITS, Photographic

PHOTOGRAPHY
Camera operating: theory and practice of photography. F. G. Wallis. Print in Britain, 14 (May 66) p.30-1. il.
Coming year 1966. G. W. Crawley. Brit. J. of Photography, 113 (7 Jan 66) p.14-16
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Medium photographic department, pt.2. L. Sansom. Brit. J. of Photography, 113 (1 Apr 66) p.270+. il.
Small photographic department, pt.1. L. Sansom. Brit. J. of Photography, 113 (28 Jan 66) p.74-9. il.

PHOTOGRAPHY
Related Headings:
CALOTYPE
CAMERAS
CINEMATOGRAPHY
DAGUERREOTYPE
ELECTROPHOTOGRAPHY
EXPOSURE METERS
FILM, Photographic
HOLOGRAPHY
HYGROPHOTOGRAPHY
MICROPHOTOGRAPHY
PHOTOMICROGRAPHY
PROCESS PHOTOGRAPHY

PHOTOGRAPHY–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Education

Exhibitions
Museums

Standards

- *Processing*
  - *Development*
    - *Developers*
    - *Antifoggants*
  - *Printing*
    - *Papers*
  - Fixing
    - *Fixers*
  - *Enlarging*
    - *Enlargers*
- Photographic materials
  - *Emulsions*
  - *Heat sensitised materials*

- Photographic qualities
  - *Image quality*
  - *Image sharpness*

- Photographic specialties
  - *Flashlight*
  - *Colour*
  - *Scientific*
  - *High speed*
  - *Air*
  - *Light scattering media*

- Applications
  - *Teaching aids*

PHOTOGRAPHY, Air, Aircraft, Instruments
Navigational and instrument aids to air survey. R. W. Fish. Photogrammetric Record, 5 (Apr 66) p.170-80. il.

PHOTOGRAPHY, Air, Cameras, Super wide angle
Super-wide angle photography and its application with various techniques. J. A. Eden. Photogrammetric Record, 5 (Apr 66) p.150-69. il.

PHOTOGRAPHY, Air, Colour
Some aspects of colour aerial photography in practice and its applications. P. G. Mott. Photogrammetric Record, 5 (Oct 66) p.221-39. il. refs.

PHOTOGRAPHY, Air, Erosion, Soil. See SOIL, Erosion, Photography, Air

PHOTOGRAPHY, Air, Materials
Some important characteristics of photographic materials for air photographs. L. Mullins. Photogrammetric Record, 5 (Oct 66) p.240-70. il. refs.

PHOTOGRAPHY, Air, Surveying, Glaciers. See GLACIERS, Aerial surveys, Photography, Air

PHOTOGRAPHY, Antifoggants, Adsorption, Heat
Heats of adsorption of stabilizers and the mechanism of stabilization. H. W. Wood. J. of Photographic Science, 14 (Mar/Apr 66) p.72-8. il. refs.

PHOTOGRAPHY, Antifoggants, Potassium bromide, Diffusion
Diffusion of potassium bromide through gelatin gels. J. P. Stonham & A. M. Kragh. J. of Photographic Science, 14 (Mar/Apr 66) p.97-101. il. refs.

PHOTOGRAPHY, Beams, Lasers. See LASERS, Beams, Photography

PHOTOGRAPHY, Chromatograms. See CHROMATOGRAMS, Photography

PHOTOGRAPHY, Colour

Colour digest. A. A. Newman. Brit. J. of Photography, 113 (8 Apr 66) p.292-5. il.

Colour science and colour photography. D.L. MacAdam. J. of Photographic Science, 14 (Sep/Oct 66) p.229-50. il. refs.

PHOTOGRAPHY, Colour, Enlargers

Colortron 99. J. B. Rudkin. Brit. J. of Photography, 113 (14 Jan 66) p.34-7. il.

Colortron 150. J.B. Rudkin. Brit. J. of Photography, 113 (8 Jul 66) p. 584-7. il.

PHOTOGRAPHY, Colour, Film (Reversal) Processing

Processing Anscochrome reversal colour films D/50 D/100 D/200 T/100. E. C. Gehret. Brit. J. of Photography, 113 (11 Mar 66) p.212-13

PHOTOGRAPHY, Colour, Film (Reversal) Quality, Statistics

Statistical frequency of 'good' and 'bad' photographic pictures on reversal film. W. Behrendt. Brit. J. of Photography, 113 (11 Feb 66) p.112-9. il. refs.

PHOTOGRAPHY, Colour, History

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MELAMINE–FORMALDEHYDE
NYLON

PLASTICS

Related Headings–*cont.*

- NYLON 6
- NYLON, Sintered
- P.T.F.E.
- P.V.A.
- P.V.C.
- PHENOLIC RESINS
- PHENOXY RESINS
- PIPERAZINE POLYAMIDES
- PLASTICISERS
- POLYALKYLENE ETHERS
- POLYAMIDES
- POLYCARBONATE RESINS
- POLYESTERS
- POLYETHERS
- POLYETHYLENE TEREPHTHALATE
- POLYIMIDE RESINS
- POLYISOBUTENE
- POLYMETHYL METHACRYLATE
- POLYMETHYLENE
- POLYOLEFINS
- POLYOXYPROPYLENE
- POLYPHENYLENE OXIDE
- POLYPHENYLENES
- POLYPROPYLENE
- POLYSTYRENE
- POLYTETRAMETHYLENE OXIDE
- POLYTHENE
- POLYURETHANE
- POLYVINYL CARBAZOLE
- POLYVINYLIDINE CHLORIDE
- RESINS
- THERMOPLASTICS
- UREA-FORMALDEHYDE
- VINYL POLYMERS

PLASTICS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Technical literature*

- Physical properties
- *Mechanical properties*
  - *Tensile tests*
  - *Yield stress*
  - *Viscoelasticity*
  - *Creep*
- Chemistry
  - *Determination of*

- Technical activities
  - *Manufactures*
    - *Quality control*
    - *Mixing*
    - *Forming*
      - *Moulding*
      - Extrusion
        - *Extruders*
      - *Casting*
    - *Electroplating*
  - *Printing*

- Constituents
  - *Fillers*

- Types of plastics
  - *Expanded*
  - *Reinforced*
  - *Thermosetting*

PLASTICS–SUBHEADINGS–Synopsis–cont.

- *Flame resistant*
- *Conductive*

- Applications
  - *Engineering*
    - *Electrical engineering*
    - *Electronic engineering*
  - *Building materials*
    - *Sound insulating materials*
  - *Packaging materials*

PLASTICS, Additives, Cement. See CEMENT, Additives, Plastics

PLASTICS, Adhesives. See ADHESIVES, Synthetic resin

PLASTICS, Adhesives, Structures. See STRUCTURES, Adhesives, Synthetic resin

PLASTICS, Agricultural equipment. See AGRICULTURAL EQUIPMENT, Plastics

PLASTICS, Backings, Carpets. See CARPETS, Backings, Plastics

PLASTICS, Backings, Electrotypes. See ELECTROTYPES, Backings, Plastics

PLASTICS, Bags, Vacuum packing, Powders. See POWDERS, Packing, Vacuum, Bags, Plastics

PLASTICS, Bearings. See BEARINGS, Plastics

PLASTICS, Belts, Recorders, Dictating machines. See DICTATING MACHINES, Recorders, Belts, Plastics

PLASTICS, Bodies, Motor cars. See MOTOR CARS, Bodies, Plastics

PLASTICS, Bodies, Motor vehicles. See MOTOR VEHICLES, Bodies, Plastics

PLASTICS, Bottles, Milk. See MILK, Bottles, Plastics

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PLASTICS, Cap lamp sets, Mining. See MINING, Lamp sets (Cap) Plastics

PLASTICS, Caps, Containers. See CONTAINERS, Caps, Plastics

PLASTICS, Casting, Rotational

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PLASTICS, Cathedral components. See CATHEDRALS, Components, Plastics

PLASTICS, Cladding, Buildings. See BUILDINGS, Cladding, Plastics

PLASTICS, Coatings. See COATINGS, Plastics

PLASTICS, Coatings, Aluminium strips. See STRIPS, Aluminium, Coatings, Plastics

PLASTICS, Coatings, Photoelasticity. See PHOTOELASTICITY, Coatings, Plastics

PLASTICS, Coatings, Stators, Induction motors. See ELECTRIC MOTORS, Induction, Stators, Coating, Plastics

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PLASTICS, Interior decoration, Cinemas. See CINEMAS, Interior decoration, Plastics

PLASTICS, Interior decoration, Offices. See OFFICES, Interior decoration, Plastics

PLASTICS, Interior decoration, Restaurants. See RESTAURANTS, Interior decoration, Plastics

PLASTICS, Interior decoration, Theatres. See THEATRES, Interior decoration, Plastics

PLASTICS, Laboratories. See LABORATORIES, Plastics

PLASTICS, Laminates. See LAMINATES, Plastics

PLASTICS, Laminates, Packaging, Food. See FOOD, Packaging, Laminates, Plastics

PLASTICS, Launderette equipment. See LAUNDERETTES, Equipment, Plastics

PLASTICS, Laundry equipment. See LAUNDRIES, Equipment, Plastics

PLASTICS, Linings, Pipes, Effluent disposal, Non-ferrous metals manufactures. See NON-FERROUS METALS, Manufactures, Effluents, Disposal, Pipes, Linings, Plastics

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PLASTICS, Packings, Filtration, Sewage treatment. See SEWAGE, Treatment, Filtration, Packings, Plastics

PLASTICS, Paint. See PAINT, Polyurethane

PLASTICS, Panels, Flats. See FLATS, Panels, Plastics

PLASTICS, Papermaking equipment. See PAPERMAKING, Equipment, Plastics

PLASTICS, Phosphors, Sources, Light. See LIGHT, Sources, Phosphors, Plastics

PLASTICS, Pipes. See PIPES, Plastics

PLASTICS, Pipes, Papermaking. See PAPERMAKING, Pipes, Plastics

PLASTICS, Pipes, Pulp production. See PULP, Production, Pipes, Plastics

PLASTICS, Plates, Sheet-fed offset lithography. See LITHOGRAPHY, Sheet-fed offset, Plates, Plastic

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PLASTICS, Quality control
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PLASTICS, Reinforced, Aircraft components. See AIRCRAFT, Components, Plastics, Reinforced

PLASTICS, Reinforced, Boats. See BOATS, Plastics, Reinforced

PLASTICS, Reinforced, Bodies, Motor cars. See MOTOR CARS, Bodies, Plastics, Reinforced

PLASTICS, Reinforced, Bodies, Motor vehicles. See MOTOR VEHICLES, Bodies, Plastics, Reinforced

PLASTICS, Reinforced, Bodies, Refrigerated commercial vehicles. See VEHICLES, Commercial, Refrigerated, Bodies, Plastics, Reinforced

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PLASTICS, Reinforced, Insulators, Electric power systems. See ELECTRIC POWER SYSTEMS, Insulators, Plastics, Reinforced

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PLASTICS, Reinforced, Pipes, Effluent disposal. See EFFLUENTS, Disposal, Pipes, Plastics, Reinforced

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PLASTICS, Reinforced, Tanks. See TANKS, Plastics, Reinforced

PLASTICS, Reinforced, Tanks, Road tankers. See TANKERS, Road, Tanks, Plastics, Reinforced

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PLASTICS, Upholstery, Motor cars. See MOTOR CARS, Upholstery, Plastics

PLASTICS, Vehicle components. See VEHICLES, Components, Plastics

PLASTICS, Ventilation equipment components. See VENTILATION, Equipment, Components, Plastics

PLASTICS, Viscoelasticity

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PLASTICS–WOOD, Laminates. See LAMINATES, Plastics–Wood

PLASTISOLS, P.V.C. See P.V.C., Plastisols

PLASTISOLS, Painting, Dishwashers. See DISHWASHERS, Painting, Plastisols

PLASTOMETERS, Viscosity measurement, Non-Newtonian fluids. See FLUIDS, Non-Newtonian, Viscosity, Measurement, Plastometers

PLATE–BEAM STRUCTURES (Ships) Analysis, Elastic

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PLATE COLUMNS, Absorption. See ABSORPTION, Columns, Plate

PLATE COLUMNS, Absorption, Ammonia. See AMMONIA, Absorption, Plate columns

PLATE COLUMNS, Design, Enthalpy diagrams

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PLATE COLUMNS, Distillation. See DISTILLATION, Columns, Plate

PLATE COLUMNS, Distillation, Methyl alcohol–Water. See METHYL ALCOHOL–WATER, Distillation, Columns, Plate

PLATE COLUMNS, Flow, Effect of surface tension

Effect of surface tension in the relationship between flow rate and mean thickness in liquid flow down plates. D. A. White. Chemical Engng. Science, 21 (May 66) p.475-6. il. refs.

PLATE COLUMNS, Stripping. See STRIPPING, Columns, Plate

PLATE EVAPORATORS, Food. See FOOD, Evaporators, Plate

PLATE FREEZING, Food. See FOOD, Freezing, Plate method

PLATE GLASS, Adhesion, Plastics, Strips. See STRIPS, Plastics, Adhesion, Plate glass

PLATE-MAKING, Photolithography. See PHOTOLITHOGRAPHY, Plate-making

PLATE-MAKING, Printing. See PRINTING, Plate-making

PLATE ORIFICES. See ORIFICE PLATES

PLATE–TUBE ASSEMBLIES, Welding

Compact tube and plate assemblies. Design & Components in Engng. (10 Nov 66) p.35-40. il.

PLATENS, Compression, Cylinders. See CYLINDERS, Compression, Platens

PLATENS, Presses, Paper testing. See PAPER, Testing, Presses, Platens

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PLATES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Strength
  - *Bending*
  - *Creep*

- Interactions
  - *Flow*

PLATES–SUBHEADINGS–Synopsis–*cont.*

- Materials
  - *Metals*
    - *Steel*
    - *Steel–Manganese*
    - *Aluminium bronze*
  - *Polymers*

- Parts
  - *Edges*
  - *Stiffeners*

- Types of plates
  - *Flat*
  - *Stiffened*
  - Perforated
    - *Holes*
  - *Orthotropic*
  - *Rectangular*
    - *Square*
  - *Circular*
  - *Annular*
  - *Viscoelastic*

- Applications
  - *Foundations*
  - *(Ships)*

PLATES, Aluminium bronze, Tensile strength, High temperature, Effect of strain rate
Elevated temperature of aluminium bronze (alloy D) parent metal, rod and weld metal. K. J. Clews. Brit. Welding J., 13 (Aug 66) p.476-83. il.

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PLATES, Bending, Elastic–Plastic analysis
Elastic-plastic analysis of loaded plates. A. J. Morris. Engineer, 222 (26 Aug 66) p.304-5. il.

PLATES, Circular, Bending, Nomograms
Deflection of circular plates. Design & Components in Engng. (24 Mar 66) p.24. il.

PLATES, Circular, Creep, Bending, Effect of thermal stresses
Creep of circular plates with temperature gradients. F. A. Cozzarelli. International J. of Mechanical Sciences, 8 (Apr 66) p.321-31. il. refs.

PLATES, Circular, Point supported, Bending
Uniformly loaded circular plate supported at discrete points. J. C. L. Yu & H. H. Pan. International J. of Mechanical Sciences, 8 (May 66) p.333-40. il. refs.

PLATES, Circular, Sealed liquid supported, Loading
On plates sealing an incompressible liquid. A. D. Kerr. International J. of Mechanical Sciences, 8 (Apr 66) p.295-304. il. refs.

PLATES, Creep, Point loading
Creep in the presence of a concentrated force at a point. B. Venkatraman. Instn. of Mechanical Engrs. Proc., 178 pt. 3L (1963/64) p.111-14. il. refs.

PLATES, Dry offset, Printing. See PRINTING, Dry offset, Plates

PLATES, Edges, Boundary conditions
Pedagogic analogy between beams and free edges in plate theory. J. Dundurs. Bull. of Mechanical Engng. Education, 5 (Jan/Mar 66) p.51-4. il refs.

PLATES, End, Stators, Turbo-alternators. See TURBO-ALTERNATORS, Stators, Plates, End

PLATES, Flat, Boundary layer, Laminar, Measurements, Wind tunnels, Supersonic
Some experiments in partially dissociated boundary layers. P. G. Simpkins. J. of Fluid Mechanics, 26 (Sep 66) p.111-30. il. refs.

PLATES, Flexography. See FLEXOGRAPHY, Plates

PLATES, Flow, Shear
On the theory of asymmetric shear flows past flat plates. R. M. Mark. J. of Fluid Mechanics, 25 (Jul 66) p.457-67. il. refs.

PLATES, Folded, Conical hexagonal roofs, Housing. See HOUSING, Roofs, Hexagonal, Conical, Plates, Folded

PLATES, Folded, Roofs, University buildings. See UNIVERSITY BUILDINGS, Roofs, Plates, Folded

PLATES, Foundations, Elastic, Bending, Analysis, Finite elements
Solution of foundation mat problems by finite-element methods. R. T. Severn. Structural Engr., 44 (Jun 66) p.223-8. il. refs.

PLATES, Glass, Plate production, Flexography. See FLEXOGRAPHY, Plates, Production, Plates, Glass

PLATES, Glass, Reference standards, Model tests, Resistance, Design, Ships. See SHIPS, Design, Resistance, Model tests, Reference standards, Plates, Glass

PLATES, Holes, Doubly symmetric, Stresses
Stress-concentration factors at a doubly-symmetric hole. L. H. Mitchell. Aeronautical Q., 17 (May 66) p.177-86. il. refs.

PLATES, Lead, Batteries. See BATTERIES, Lead, Plates

PLATES, Letterpress printing, Conversion to lithography plates. See LITHOGRAPHY, Plates, Conversion from letterpress plates

PLATES, Lithography. See LITHOGRAPHY, Plates

PLATES, Magnetic cores. See CORES, Magnetic, Plates

PLATES, Metals, Airflow, Resonance, Sound
Resonance effects in wake shedding from parallel plates: some experimental observations. R. Parker. J. of Sound & Vibration, 4 (Jul 66) p.62-72. il. refs.

PLATES, Metals, Fracture, Brittle, Testing, Machines
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PLATES, Metals, Roll forming, Costs
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PLATES, Metals, Welding, Preparation, Edges, Planing, Costs
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PLATES, Offset lithography. See LITHOGRAPHY, Offset, Plates

PLATES, Orthotropic, Flow, Supersonic, Sound propagation
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PLATES, Orthotropic, Rectangular, Bending
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PLATES, Perforated, Colour, Printing. See PRINTING, Colour, Plates, Perforated

PLATES, Photolithography. See PHOTOLITHOGRAPHY, Plates

PLATES, Photo-polymer, Printing materials, Packaging. See PACKAGING, Materials, Printing, Plates, Photo-polymer

PLATES, Plastics, Sheet-fed offset lithography. See LITHOGRAPHY, Sheet-fed offset, Plates, Plastic

PLATES, Polymers, Bending, Dynamic
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PLATES, Printing. See PRINTING,

PLATES, Rectangular (Edges, Point supported) Structural analysis, Matrix displacement method
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PLATES, Rectangular, Shock loading, Supersonic aircraft
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PLATES, Rectangular, Stresses, Analysis
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PLATES, Rectangular, Tapered, Stresses
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PLATES, Rectangular, Tapered, Thermal stresses
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PLATES, Rectangular (Variable thickness) Vibrations, Analysis
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PLATES, Sheet fed offset lithography. See LITHOGRAPHY, Sheet fed offset, Plates

PLATES (Ships) Steel, Painting, Pretreatment, Shot-blasting
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PLATES, Steel, Alloys, Welding, Arc, Control, Pulse current
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PLATES, Steel, Bottoms, Hulls. See HULLS, Bottoms, Plates, Steel

PLATES, Steel, Cutting, Flame, Oxygen, Thermal transformations
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PLATES, Steel, Decks, Ships. See SHIPS, Decks, Plates, Steel

PLATES, Steel, Decks, Tankers. See TANKERS, Ships, Decks, Plates, Steel

PLATES, Steel, Gates, Docks. See DOCKS, Gates, Plates, Steel

PLATES, Steel, High tensile, Welded, Fillet, Fatigue, Tests
Some fatigue tests on fillet welded mild and high tensile tensile steel specimens in the as-welded and normalised conditions. T. R. Gurney. Brit. Welding J., 13 (Nov 66) p.648-51. il. refs.

PLATES, Steel, Low alloy, Flame cut, Hardness, Effect of cutting speed
Note on the influence of cutting speed on the hardness of flame cut BS. 968 (1962) steel. L. Reeve & F. R. Maw. Brit. Welding J., 13 (Aug 66) p.467-75. il.

PLATES, Steel, Low alloy, Shearing, Machines, Bearings, Journal, Lubricating greases
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PLATES, Steel, Low alloy, Welding
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PLATES, Steel, Mild, Cutting, Flame
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PLATES, Steel, Mild, Welded, Electroslag, Stress relieved, Creep rupture tests
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PLATES, Steel, Mild, Welded, Post-weld treatment
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PLATES, Steel, Pressure vessels, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Pressure vessels, Plates, Steel

PLATES, Steel, Reheated, Scale, Removal
Scale on heat-treated hot-rolled steel plate. J. Smuts & P. R. de Villiers. J. of Iron & Steel Inst., 204 (Aug 66) p.787-92. il. refs.

PLATES, Steel, Reinforced Concrete, Linings, Shafts, Coal mining. See COAL, Mining, Shafts, Linings, Concrete, Reinforced, Plates, Steel

PLATES, Steel, Rolling
Burns Harbour works of the Bethlehem Steel Corporation in Indiana, pt.1. Engineer, 220 (17 Dec 65) p.1028-31. il.

PLATES, Steel, Rolling, Levelling, Machines, Bearings, Roller
Bearings in plate levelling machines. Ball Bearing J. (Nov 65) p.9-20. il.

PLATES, Steel, Rolling, Mills
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PLATES, Steel, Rolling, Mills, Control systems, Computers
Instrumentation for computer controlled plate mill. C. McKenzie & R. S. Johnson. Trans. of Soc. of Instrument Technology, 18 (Dec 66) p.230-9. il.

PLATES, Steel, Sheer strakes, Ships. See SHIPS, Sheer strakes, Plates, Steel

PLATES, Steel, Ships. See SHIPS, Plates, Steel

PLATES, Steel, Stainless, Austenitic
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PLATES, Steel, Welding, Narrow gap
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PLATES, Steel, Welding, Radiography, Effect of thickness
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PLATES, Steel–Manganese, Hot rolled, Fatigue, Low endurance, Tests
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PLATES, Surface. See SURFACE PLATES
PLATES, Top, Oil circuit breakers. See CIRCUIT BREAKERS, Oil, Top plates
PLATES, Viscoelastic, Thermal stresses
Thermal deformations and stresses in visco-elastic plates. O. C. Zienkiewicz & J. Dundurs. Instn. of Mechanical Engrs. Proc., 178 pt.3L (1963/64) p.241-8. il. refs.
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PLATFORMS, Off shore drilling, Natural gas. See GAS, Natural, Drilling, Off shore, Platforms
PLATFORMS, Off shore drilling, Petroleum. See PETROLEUM, Drilling, Off shore, Platforms
PLATFORMS, Stations, Railways. See RAILWAYS, Stations, Platforms
PLATING
Related Headings:
ELECTROPLATE
ELECTROPLATING
FLAME PLATING
GAS PLATING
PLATING, Barrel. See BARREL PLATING
PLATING, Barrel, Electronic components. See ELECTRONICS, Components, Barrel plating
PLATING, Chemical reduction
Electroless plating. Pt.1: theory. G. D. R. Jarrett. Industrial Finishing, 18 (Apr 66) p.32-6. il.
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Heavy electrodeposition for the engineer. Pt.3: electroless nickel plating. J. D. Greenwood. Metal Finishing J., 12 (Feb 66) p.79-86. il.

PLATING, Chemical reduction, Nickel–*cont.*
Heavy electrodeposition for the engineer. Pt.3: electroless nickel plating. J. D. Greenwood. Metal Finishing J., 12 (Mar 66) p.116-22. il.
PLATING, Chemical reduction, Nickel, Solutions, Sodium borohydride
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PLATING, Holes, Boards, Printed circuits. See CIRCUITS, Electronics, Printed, Boards, Holes, Plating
PLATING, Nickel Substrates. See NICKEL, Plating
PLATING, Polyester–Iron carbonyl, Coated polyester–glass fibre. See POLYESTER–GLASS FIBRE. Coated. Polyester–Iron carbonyl, Plating
PLATINISED PLATINUM, Electrodes. See ELECTRODES, Platinum, Platinised
PLATINUM, Anodes. See ANODES, Platinum
PLATINUM, Catalysts, Oxidation, Hydrogen determination, Inert gases. See GASES, Inert, Determination of hydrogen, Oxidation, Catalysts, Platinum
PLATINUM, Electrodes. See ELECTRODES, Platinum
PLATINUM, Electrodes, Fuel cells. See FUEL CELLS, Electrodes, Platinum
PLATINUM, Electrodes, Potentiometric determination, Hydrogen exchange, Raney nickel, Catalysts. See CATALYSTS, Raney nickel, Hydrogen exchange, Determination, Potentiometric, Electrodes, Platinum
PLATINUM, Electrodes, Sulphur dioxide solutions, Polarography, Oxidation, Dyes, Triphenylmethane. See TRIPHENYLMETHANE, Dyes, Oxidation, Polarography, Solutions, Sulphur dioxide, Electrodes, Platinum
PLATINUM, Emissivity, Pyrometers, Land, Hemispherical reflector
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PLATINUM, History
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PLATINUM, Platinised, Electrodes, Ammonia fuel cells. See FUEL CELLS, Ammonia, Electrodes, Platinum, Platinised
PLATINUM–CARBON, Shadowed replicas, Electron Microscopy, Uranium. See URANIUM, Electron microscopy, Shadowed replicas, Platinum–Carbon
PLATINUM–COBALT. See COBALT–PLATINUM
PLATINUM METALS, Electrical contacts. See CONTACTS, Electrical, Platinum metals
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PLATINUM–RHODIUM, Cathodes. See CATHODES, Platinum–Rhodium
PLATINUM–RHODIUM, Wires. See WIRES, Platinum–Rhodium
PLATINUM–RUTHENIUM, Cathodes. See CATHODES, Platinum–Ruthenium
PLATZER MILLS, Rolling, Metals, Strips. See STRIPS, Metal, Rolling, Platzer mills
PLAYBACK, Slow motion, Videotape recorders, Recording, Television. See TELEVISION, Recording, Videotape recorders, Playback, Slow motion
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PLOTTERS, Digital, Projections, Convex polyhedra. See POLYHEDRA, Convex, Projections, Plotters, Digital
PLOTTING, Graphs. See GRAPHS, Plotters
PLOTTING, Radar, Navigation, Ships. See SHIPS, Navigation, Radar, Plotting
PLOUGHS, Coal mining. See COAL, Mining, Ploughs
PLOUGHS, Snow clearance, Roads. See ROADS, Snow clearance, Ploughs
PLUG DRAWING, Thin walled metal tubes. See TUBES, Metal, Thin walled, Drawing, Plug
PLUGS, Expanding, Joints, Polythene, Cables, Telephony. See TELEPHONY, Cables, Polythene, Joints, Expanding plug
PLUGS, Fusible, Boilers, Heating, Buildings. See BUILDINGS, Heating, Boilers, Plugs, Fusible

PLUGS, Screw, Steel, Manufactures
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PLUGS, Starting, Diesel engines, Tractors. See TRACTORS, Diesel engines, Starting, Plugs
PLUMBICONS, Cameras, Colour television. See TELEVISION, Colour, Cameras, Tubes, Plumbicon
PLUMBING
Related Headings:
HOUSING, Sanitary ware
RAINWATER GOODS
WATER, Fittings
PLUMBING, Flats. See FLATS, Plumbing
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PLUTONIUM, Determination, Dicaesium plutonium hexachloride. See DICAESIUM PLUTONIUM HEXACHLORIDE, Determination of plutonium
PLUTONIUM, Determination, Plutonium dioxide, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Plutonium dioxide, Determination of plutonium
PLUTONIUM, Fuel elements, Magnox nuclear reactors. See NUCLEAR REACTORS, Magnox, Fuel elements, Plutonium
PLUTONIUM, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Plutonium

PLUTONIUM–BERYLLIUM, Sources, Neutrons. See NEUTRONS, Sources, Plutonium–Beryllium
PLUTONIUM DIOXIDE, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Plutonium dioxide
PLUTONIUM OXIDE–URANIUM OXIDE, Fuels, Fast reactors. See NUCLEAR REACTORS, Fast, Fuels, Plutonium oxide–Uranium oxide

PLUTONIUM-240, Nuclei, Fission, Neutrons, Prompt neutron emission
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PLYMOUTH
See
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    POLYTHIOACETONE
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PRESSURE SENSITIVE FILM, Surface roughness measurement, Paper, Printing. See PRINTING, Paper, Surfaces, Roughness, Measurement, Film, Pressure sensitive

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PRESSURE TUBES, Steam generating heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated, Steam generating, Pressure tubes

PRESSURE VESSELS, Ammonia production. See AMMONIA, Production, Pressure vessels

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Press in the South Pacific [Guadalcanal, Solomon Islands] J. T. Grainger. Brit. Printer, 79 (Nov 66) p.108-9. il.
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FLEXOGRAPHY
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PHOTOGRAVURE
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Personal viewpoint: practical standards for colour printing [Simplacolour] S. J. R. Jarvis. Brit. Printer, 79 (May 66) p.111+. il.

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Problems of colour assessment—'matching,' 'appraisal' and 'viewing'. I. Harris. Litho Printer, 9 (Nov 66) p.34-8. il.

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PRINTING, Colour, Inks, Matching, Instruments
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PRINTING, Colour, Newspapers. See NEWSPAPERS, Printing, Colour

PRINTING, Colour, Plates, Perforated, Inking
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PRINTING, Colour photography. See PHOTOGRAPHY, Colour, Printing
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Notes on costing and estimating. D. McIntosh. Litho Printer, 9 (Jun 66) p.42-5

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Computer costing service for BFMP member firms. Print in Britain, 14 (Aug 66) p.38-9. il.
Costing by computer: BFMP introduce new service. Brit. Printer, 79 (Aug 66) p.93-5. il.

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Artist or designer? critique of current training and its results. A. Claridge. Print in Britain, 14 (Oct 66) p.18-19

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How to overcome trapping and ghosting troubles. H.A. Idle. Brit. Printer, 79 (Jun 66) p.108-9

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RADIATION PRESSURE, Wattmeters, Microwaves. See MICROWAVES, Wattmeters, Radiation pressure

RADIATION PYROMETERS, Temperature measurements, Hot extrusion, Aluminium. See ALUMINIUM, Extrusion, Hot, Temperature, Measurements, Pyrometers, Radiation

RADIATIONS

Related Headings:

- INFRA-RED RADIATION
- IRRADIATION
- LIGHT-PHOTONS
- RADIOACTIVITY
- RADIOGRAPHY
- ULTRAVIOLET RADIATION
- X-RAYS

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RADIO
Related Headings:
- CONTROL, Remote
- DIRECTION FINDING
- RADAR

RADIO–SUBHEADINGS–Synopsis
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- *History*
- *Research*

- *Transmission*
  - *Frequency response*
  - *Waves*
    - *Frequencies*
      - *Frequency allocation*

- *Equipment*
  - *Transmitters*
  - *Receivers*
  - *Transceivers*
  - *Microphones*
  - *Power supplies*

- Systems
  - *V.L.F.*
  - *M.F.*
  - *H.F.*
  - *V.H.F.*
  - *Microwave*
  - *U.H.F.*
  - *S.H.F.*
    - *Q-band*
    - *X-band*
  - *Single sideband*
  - *Amplitude modulation*
  - *Frequency modulation*
  - *Stereo*
  - *Wired*

RADIO–SUBHEADINGS–Synopsis–cont.

- Applications
  - *Communications*
    - *Personal calling systems*
  - *Ships*
    - *Ship-Shore services*
  - *Farms*
  - *Astronomy*

- Ancillaries
  - *Studios*

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RADIO, Altimeters, Supersonic aircraft. See AIRCRAFT, Supersonic, Altimeters, Radio

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RAPID TRANSIT
ROLLING STOCK, Passenger, Railways
ROLLING STOCK, Railways
TRAINS

RAILWAYS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
    - England
      - *London*
        - *Wimbledon–Sutton*
      - *Guildford–Horsham*
      - *Somerset–Dorset*
      - *Birmingham*
      - *Bushbury*
      - *Sheffield*
      - *Lancashire*
      - *Manchester*
      - *Carlisle–Settle*
    - *Scotland*
    - *Isle of Man*
  - *Ireland*

RAILWAYS–SUBHEADINGS–Synopsis–cont.

- Particular localities–cont.
  - Europe
    - *Netherlands*
    - *West Germany*
    - *Italy*
    - *Czechoslovakia*
    - *Finland*
  - Asia
    - *Iraq*
    - *Iran*
    - *India*
    - *Ceylon*
    - *Thailand*
    - *Taiwan*
    - *Japan*
      - *Osaka*
      - *Sano*
  - Africa
    - *Mozambique*
      - *Beira–Umtali*
    - *Swaziland*
  - North America
    - *U.S.A.*
      - *Boston*
      - *San Francisco*
    - *Canada*
  - Australia
    - *Western Australia*
  - *New Zealand*

- *Museums*

- Education
  - *Apprenticeships*

- Problems
  - *Safety*
  - *Accidents*

- *Construction*

- *Town planning*

- *Operation*
  - *Timetables*
  - *Work study*

- Equipment
  - Communications
    - *Signalling systems*
      - *Signalboxes*
  - Vehicles
    - *Wagons*

  - Structures
    - *Buildings*
      - *Stations*
      - *Workshops*
    - *Bridges*
    - *Viaducts*
    - *Tunnels*

  - Facilities
    - *Marshalling yards*
    - *Crossings*

- Types
  - *Narrow gauge*
  - *Electric*
    - *Electrification*

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Types–cont.
Underground
Rack
Elevated

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- FREON
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SHELLAC
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RIVETING, Assembly machines
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RIVETS, Holes, Painting, Priming, Zinc chromate, Encapsulation
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RIVETS, Seals, Windows, Motor cars. See MOTOR CARS, Windows, Seals, Rivets

ROAD ADHESION, Tyres, Motor cars. See MOTOR CARS, Tyres, Road adhesion

ROAD ADHESION, Tyres, Motor coaches. See MOTOR COACHES, Tyres, Road adhesion

ROAD–RAILWAY SERVICES, Transport, Freight. See FREIGHT, Transport, Railway–Road services

ROAD RESEARCH LABORATORY
Work and facilities of the Road Research Laboratory. P. Hoskin. Consulting Engr., 30 (Sep 66) p.56+. il.

ROAD ROLLERS, History
Aveling-Barford – '100 years old and still rolling on'. Muck Shifter, 24 (Feb 66) p.43-5. il.

ROAD TANKERS. See TANKERS, Road

ROAD TANKERS, Bulk collection, Milk. See MILK, Bulk collection, Road tankers

ROAD TANKERS, Transport, Liquid chemicals. See CHEMICALS, Liquid, Transport, Road tankers

ROAD TANKERS, Transport, Powders. See POWDERS, Transport, Tankers, Road

ROAD TANKERS, Transport, Sodium carbonate. See SODIUM CARBONATE, Transport, Tankers, Road

ROAD TANKERS, Transport, Wines. See WINES, Transport, Tankers, Road

ROAD TESTS, A.E.C. Mandator–Scammell articulated vehicles See MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator–Scammell, Road tests

ROAD TESTS, A.E.C. Mandator TG 4 R/3–Scammell Challenger T articulated vehicles. See MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator TG 4 R/3–Scammell Challenger T, Road tests

ROAD TESTS, Alfa-Romeo 2600 cars. See MOTOR CARS, Types, Alfa-Romeo 2600, Road tests

ROAD TESTS, Alpha Romeo Giulia Super cars. See MOTOR CARS, Types, Alpha Romeo Giulia Super, Road tests

ROAD TESTS, Aston Martin DB 6 cars. See MOTOR CARS, Types, Aston Martin DB 6, Road tests

ROAD TESTS, Aston Martin DB6 Vantage cars. See MOTOR CARS, Types, Aston Martin DB6 Vantage, Road tests

ROAD TESTS, Atkinson Gold Knight M2266X lorries. See LORRIES, Types, Atkinson Gold Knight M2266X, Road tests

ROAD TESTS, Atkinson Silver Knight T 3046 C–Dyson Newloader articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Atkinson Silver Knight T3046C–Dyson Newloader, Road tests

ROAD TESTS, Atkinson T3046C–Dyson DNR articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Atkinson T3046C–Dyson DNR, Road tests

ROAD TESTS, Austin 110 Countryman estate cars. See ESTATE CARS, Types, Austin 1100 Countryman, Road tests

ROAD TESTS, Austin 1100 cars. See MOTOR CARS, Types, Austin 1100, Road tests

ROAD TESTS, Austin F JK 160 8 ton lorries. See LORRIES, Types, Austin F JK 160 8 ton, Road tests

ROAD TESTS, Austin J4 M10 10/12 cwt. Automatic vans. See VANS, Types, Austin J4 M10 10/12 cwt. Automatic, Road tests

ROAD TESTS, Auto Union D.K.W. Audi cars. See MOTOR CARS, Types, Auto Union D.K.W. Audi, Road tests

ROAD TESTS, B.M.C. FJ K160 8 ton lorries. See LORRIES, Types, B.M.C. FJ K160 8 ton, Road tests

ROAD TESTS, B.M.W. 1800 Saloon cars. See MOTOR CARS, Types, B.M.W. 1800 Saloon, Road tests

ROAD TESTS, B.M.W. 2000 cars. See MOTOR CARS, Types, B.M.W. 2000, Road tests

ROAD TESTS, B.M.W. 2000T1 cars. See MOTOR CARS, Types, B.M.W. 2000T1, Road tests

ROAD TESTS, B.M.W. R60 motor cycles. See MOTOR CYCLES, Types, B.M.W. R60, Road tests

ROAD TESTS, B.S.A. A65T Thunderbolt motor cycles. See MOTOR CYCLES, Types, B.S.A. A65T Thunderbolt, Road tests

ROAD TESTS, B.S.A. C15 Sportsman motor cycles. See MOTOR CYCLES, Types, B.S.A. C15 Sportsman, Road tests

ROAD TESTS, B.S.A. C15 Star motor cycles. See MOTOR CYCLES, Types, B.S.A. C15 Star, Road tests

ROAD TESTS, B.S.A. D10 Bantam Supreme motor cycles. See MOTOR CYCLES, Types, B.S.A. D10 Bantam Supreme, Road tests

ROAD TESTS, B.S.A. Spitfire Mk.2 Special 654 c.c. motor cycles. See MOTOR CYCLES, Types, B.S.A. Spitfire Mk. 2 Special 654 c.c., Road tests

ROAD TESTS, Bedford-Hawson 3-ton vans. See VANS, Types, Bedford-Hawson 3-ton, Road tests

ROAD TESTS, Bedford KD 5 ton lorries. See LORRIES, Types, Bedford KD 5 ton, Road tests

ROAD TESTS, Bluebird Highwayman Automatic motor caravans. See MOTOR CARAVANS, Types, Bluebird Highwayman Automatic, Road tests

ROAD TESTS, Bond 875 three wheeler cars. See MOTOR CARS, Three-wheelers, Types, Bond 875, Road tests

ROAD TESTS, Bond Equipe GT4S cars. See MOTOR CARS, Types, Bond Equipe GT4S, Road tests

ROAD TESTS, Cars. See MOTOR CARS, Road tests

ROAD TESTS, Chrysler Valiant Premium Automatic cars. See MOTOR CARS, Types, Chrysler Valiant Premium Automatic, Road tests

ROAD TESTS, Commer 1500 Automatic 15 cwt. vans. See VANS, Types, Commer 1500 Automatic 15 cwt., Road tests

ROAD TESTS, Commer Imp 5 cwt. vans. See VANS, Types, Commer Imp 5 cwt., Road tests

ROAD TESTS, Commercial vehicles. See VEHICLES, Commercial, Road tests

ROAD TESTS, Daimler, 2½ litre V8 cars. See MOTOR CARS, Types, Daimler 2½ litre V8, Road tests

ROAD TESTS, Dennis Maxim 16ton lorries. See LORRIES, Types, Dennis Maxim 16 ton, Road tests

ROAD TESTS, Dennis Paravan 2 vans. See VANS, Types, Dennis Paravan 2, Road tests

ROAD TESTS, Ducati 200 Super Sport motor cycles. See MOTOR CYCLES, Types, Ducati 200 Super Sport, Road tests

ROAD TESTS, E.R.F. 64u180–E.R.F. T28 articulated vehicles. See MOTOR VEHICLES, Articulated, Types, E.R.F. 64cu180–E.R.F. T28, Road tests

ROAD TESTS, Ferguson R5 four wheel drive cars. See MOTOR CARS, Types, Ferguson R5 (Four wheel drive) Road tests

ROAD TESTS, Ferguson R5 four wheel drive estate cars. See ESTATE CARS, Types, Ferguson R5 (Four wheel drive) Road tests

ROAD TESTS, Fiat 124 cars. See MOTOR CARS, Types, Fiat 124, Road tests

ROAD TESTS, Fiat 500 F cars. See MOTOR CARS, Types, Fiat 500 F, Road tests

ROAD TESTS, Fiat 600 D cars. See MOTOR CARS, Types, Fiat 600D, Road tests

ROAD TESTS, Fiat 693 TI–Viberti articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Fiat 693 TI–Viberti, Road tests

ROAD TESTS, Fiat 850 coupé cars. See MOTOR CARS, Types, Fiat 850 coupé, Road tests

ROAD TESTS, Fiat Abarth 1000 cars. See MOTOR CARS, Types, Fiat Abarth 1000, Road tests

ROAD TESTS, Fiat Bertone Spider cars. See MOTOR CARS, TYPES, Fiat Bertone Spider, Road tests

ROAD TESTS, Ford Consul Corsair GT estate cars. See ESTATE CARS, Types, Ford Consul Corsair GT, Road tests

ROAD TESTS, Ford Consul Cortina 1300 cars. See MOTOR CARS, Types, Ford Consul Cortina 1300, Road tests

ROAD TESTS, Ford Consul Cortina 1300 de luxe cars. See MOTOR CARS, Types, Ford Consul Cortina 1300 de luxe, Road tests

ROAD TESTS, Ford Consul Cortina Lotus cars. See MOTOR CARS, Types, Ford Consul Cortina Lotus, Road tests

ROAD TESTS, Ford Consul Cortina Super estate cars. See ESTATE CARS, Types, Ford Consul Cortina Super, Road tests

ROAD TESTS, Ford D 300 lorries. See LORRIES, Types, Ford D 300, Road tests

ROAD TESTS, Ford Transit 17 cwt. vans. See VANS, Types, Ford Transit 17 cwt., Road tests

ROAD TESTS, Ford Transit 30 cwt. vans. See VANS, Types, Ford Transit 30 cwt., Road tests

ROAD TESTS, Ford Transit 1500 30 cwt. vans. See VANS, Types, Ford Transit 1500 30 cwt., Road tests

ROAD TESTS, Ford Zephyr 6 Mk.IV cars. See MOTOR CARS, Types, Ford Zephyr 6 Mk.IV, Road tests

ROAD TESTS, Ford Zodiac MK IV cars. See MOTOR CARS, Types, Ford Zodiac MK IV, Road tests

ROAD TESTS, Gordon-Keeble GKI cars. See MOTOR CARS, Types, Gordon-Keeble GKI, Road tests

ROAD TESTS, Gordon–Keeble IT cars. See MOTOR CARS, Types, Gordon–Keeble IT, Road tests

ROAD TESTS, Guy Big J–York Teamster EP 23 articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Guy Big J–York Teamster EP 23, Road tests

ROAD TESTS, Hillman Hunter cars. See MOTOR CARS, Types, Hillman Hunter, Road tests

ROAD TESTS, Hillman Minx 6 de luxe cars. See MOTOR CARS, Types, Hillman Minx 6 de Luxe, Road tests

ROAD TESTS, Hillman Super Imp cars. See MOTOR CARS, Types, Hillman Super Imp, Road tests

ROAD TESTS, Hillman Super Minx 4 cars. See MOTOR CARS, Types, Hillman Super Minx 4, Road tests

ROAD TESTS, Hillman Super Minx estate cars. See ESTATE CARS, Types, Hillman Super Minx, Road tests

ROAD TESTS, Honda CB 450 motor cycles. See MOTOR CYCLES, Types, Honda CB 450, Road tests

ROAD TESTS, Humber Sceptre Mk.II Automatic cars. See MOTOR CARS, Types, Humber Sceptre Mk.II Automatic, Road tests

ROAD TESTS, Humber Sceptre Mk. II cars. See MOTOR CARS, Types, Humber Sceptre Mk. II, Road tests

ROAD TESTS, ISO Grifo GL365 cars. See MOTOR CARS, TYPES, ISO Grifo GL 365, Road tests

ROAD TESTS, ISO Rivolta IR-300 cars. See MOTOR CARS, Types, ISO Rivolta IR-300, Road tests

ROAD TESTS, International Loadstar 1700–York W2 articulated vehicles. See MOTOR VEHICLES, Articulated, Types, International Loadstar 1700–York W2, Road tests

ROAD TESTS, Jaguar E-type 2+2 cars. See MOTOR CARS, Types, Jaguar E-type 2+2, Road tests

ROAD TESTS, Jaguar E-type Automatic cars. See MOTOR CARS, Types, Jaguar E-type 2 +2 Automatic, Road tests

ROAD TESTS, James M16 motor cycles. See MOTOR CYCLES, Types, James M16, Road tests

ROAD TESTS, Jawa motor cycles. See MOTOR CYCLES, Types, Jawa, Road tests

ROAD TESTS, Lancia Fulvia Coupé cars. See MOTOR CARS, Types, Lancia Fulvia Coupé, Road tests

ROAD TESTS, Land Rover Series 2 estate cars. See ESTATE CARS, Types, Land Rover Series 2, Road tests

ROAD TESTS, Leyland Freightline Beaver/Scammel articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Leyland Freightline Beaver/Scammel, Road tests

ROAD TESTS, M.G. MGB GT coupe cars. See MOTOR CARS, Types, M.G. MGB GT coupe, Road tests

ROAD TESTS, Magirus-Deutz 200D 16FS–Merriworth articulated vehicles. See MOTOR VEHICLES, Articulated, Magirus-Deutz 200D 16FS–Merriworth, Road tests

ROAD TESTS, Magirus-Deutz 200D 16FS–Pitt articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Magirus-Deutz 200D 16FS–Pitt, Road tests

ROAD TESTS, Mercedes-Benz 230 Automatic cars. See MOTOR CARS, Types, Mercedes-Benz 230 Automatic, Road tests

ROAD TESTS, Mercedes-Benz 230 cars. See MOTOR CARS, Types, Mercedes-Benz 230, Road tests

ROAD TESTS, Morris 1100 cars. See MOTOR CARS, Types, Morris 1100, Road tests

ROAD TESTS, Morris 1100 Traveller estate cars. See ESTATE CARS, Types, Morris 1100 Traveller, Road tests

ROAD TESTS, Morris 1800 de luxe cars. See MOTOR CARS, Types, Morris 1800 de luxe, Road tests

ROAD TESTS, Morris FJK140 7 ton lorries. See LORRIES, Types, Morris FJK140 7 ton, Road tests

ROAD TESTS, Morris J4 M10 Automatic vans. See VANS, Types, Morris J4 M10 Automatic, Road tests

ROAD TESTS, Moskvich 408 cars. See MOTOR CARS, Types, Moskvich 408, Road tests

ROAD TESTS, N.S.U. Prinz 4 de luxe cars. See MOTOR CARS, Types, N.S.U. Prinz 4 de luxe, Road tests

ROAD TESTS, N.S.U. Typ 110 cars. See MOTOR CARS, Types, N.S.U. Typ 110, Road tests

ROAD TESTS, N.S.U. Typ 1100 cars. See MOTOR CARS, Types, N.S.U. Typ 1100, Road tests

ROAD TESTS, Norton Atlas motor cycle conversions. See MOTOR CYCLES, Types, Norton Atlas, Conversions, Road tests

ROAD TESTS, Oldsmobile Toronado cars. See MOTOR CARS, Types, Oldsmobile Toronado, Road tests

ROAD TESTS, Pontiac GTO cars. See MOTOR CARS, Types, Pontiac GTO, Road tests

ROAD TESTS, Peugeot 203 cars. See MOTOR CARS, Types, Peugeot 204, Road tests

ROAD TESTS, Peugeot 204 Break estate cars. See ESTATE CARS, Types, Peugeot 204 Break, Road tests

ROAD TESTS, Porsche 911 cars. See MOTOR CARS, Types, Porsche 911, Road tests

ROAD TESTS, Porsche 911 S cars. See MOTOR CARS, Types, Porsche 911 S, Road tests

ROAD TESTS, Rambler 770 Vee-8 Convertible cars. See MOTOR CARS, Types, Rambler 770 Vee-8 Convertible, Road tests

ROAD TESTS, Renault 16 GL cars. See MOTOR CARS, Types, Renault 16 GL, Road tests
ROAD TESTS, Renault 1100 automatic cars. See MOTOR CARS, Types, Renault 1100 Automatic, Road tests
ROAD TESTS, Rover 3-litre Coupe Mk.111 cars. See MOTOR CARS, Types, Rover 3-litre Coupe Mk.111, Road tests
ROAD TESTS, Rover 3-litre Mk III Automatic cars. See MOTOR CARS, Types, Rover 3-litre Mk III Automatic, Road tests
ROAD TESTS, Rover 2000 Automatic cars. See MOTOR CARS, Types, Rover 2000 Automatic, Road tests
ROAD TESTS, Rover 2000 TC cars. See MOTOR CARS, Types, Rover 2000 TC, Road tests
ROAD TESTS, Royal Enfield Continental GT motor cycles. See MOTOR CYCLES, Types, Royal Enfield Continental GT, Road tests
ROAD TESTS, Saab 96 cars. See MOTOR CARS, Types, Saab 96, Road tests
ROAD TESTS, Scammell Scarab 4-Scammell MH articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Scammell Scarab 4-Scammell MH, Road tests
ROAD TESTS, Scania-Vabis LB 76H Super–York Teamster EP 23/3 articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Scania Vabis LB 76H Super–York Teamster EP 23/3, Road tests
ROAD TESTS, Simca 1000 GLS automatic cars. See MOTOR CARS, Types, Simca 1000 GLS automatic, Road tests
ROAD TESTS, Singer Chamois Sports cars. See MOTOR CARS, Types, Singer Chamois Sport, Road tests
ROAD TESTS, Singer Gazelle cars. See MOTOR CARS, Types, Singer Gazelle, Road tests
ROAD TESTS, Singer Vogue Series IV cars. See MOTOR CARS, Types, Singer Vogue Series IV, Road tests
ROAD TESTS, Standard-Triumph 2000 estate cars. See ESTATE CARS, Types, Standard-Triumph 2000, Road tests
ROAD TESTS, Standard-Triumph GT6 cars. See MOTOR CARS, Types, Standard-Triumph GT6, Road tests
ROAD TESTS, Standard-Triumph Spitfire Mk.2 cars. See MOTOR CARS, Types, Standard-Triumph Spitfire Mk.2, Road tests
ROAD TESTS, Standard-Triumph 1300 cars. See MOTOR CARS, Types, Standard-Triumph 1300, Road tests

ROAD TESTS, Steyr-Puch 650 TR II cars. See MOTOR CARS, Types, Steyr-Puch 650 TR II, Road tests
ROAD TESTS, Sunbeam Alpine GT cars. See MOTOR CARS, Types, Sunbeam Alpine GT, Road tests
ROAD TESTS, Sunbeam Alpine Series 5 cars. See MOTOR CARS, Types, Sunbeam Alpine Series 5, Road tests
ROAD TESTS, Sunbeam Imp Sport cars. See MOTOR CARS, Types, Sunbeam Imp Sport, Road tests
ROAD TESTS, Sunbeam Rapier 5 Cars. See MOTOR CARS, Types, Sunbeam Rapier 5, Road tests
ROAD TESTS, Suzuki 120 motor cycles. See MOTOR CYCLES, Types, Suzuki 120, Road tests
ROAD TESTS, Suzuki T20 Super Six motor cycles. See MOTOR CYCLES, Types, Suzuki T20 Super Six, Road tests
ROAD TESTS, Toyota Corona cars. See MOTOR CARS, Types, Toyota Corona, Road tests
ROAD TESTS, Triumph T20 Tiger Cub 199 c.c. motor cycles. See MOTOR CYCLES, Types, Triumph T20 Tiger Cub 199 c.c., Road tests
ROAD TESTS, Triumph Thunderbird motor cycles. See MOTOR CYCLES, Types, Triumph Thunderbird, Road tests
ROAD TESTS, Triumph Tiger 90 Motor cycles. See MOTOR CYCLES, Types, Triumph Tiger 90, Road tests
ROAD TESTS, Triumph Tiger T100 motor cycles. See MOTOR CYCLES, Types, Triumph Tiger T100, Road tests
ROAD TESTS, Vauxhall Victor 101 cars. See MOTOR CARS, Types, Vauxhall Victor 101, Road tests
ROAD TESTS, Vauxhall Viscount Automatic cars. See MOTOR CARS, Types, Vauxhall Viscount Automatic, Road tests
ROAD TESTS, Vauxhall Viscount cars. See MOTOR CARS, Types, Vauxhall Viscount, Road tests
ROAD TESTS, Vauxhall Viva de luxe cars. See MOTOR CARS, Types, Vauxhall Viva de luxe, Road tests
ROAD TESTS, Vauxhall VX 4/90 cars. See MOTOR CARS, Types, Vauxhall VX 4/90, Road tests
ROAD TESTS, Velocette Viper Sports motor cycles. See MOTOR CYCLES, Types, Velocette Viper Sports, Road tests
ROAD TESTS, Volkswagen 1300 cars. See MOTOR CARS, Types, Volkswagen 1300, Road tests
ROAD TESTS, Volkswagen 1500 cars. See MOTOR CARS, Types, Volkswagen 1500 ,Road tests
ROAD TESTS, Volkswagen 1600 TL cars. See MOTOR CARS, Types, Volkswagen 1600 TL, Road tests
ROAD TESTS, Volvo 132 S cars. See MOTOR CARS, Types, Volvo 132 S, Road tests
ROAD TESTS, Volvo 1800 S cars. See MOTOR CARS, Types, Volvo 1800 S, Road tests
ROADHEADS, Coal mining. See COAL, Mining, Roadheads

ROADS
General principles of road construction. Architects' J., 144 (9 Nov 66) information sheet 1422. il.
Productivity related to highway engineering. A.H. Kennard. Surveyor, 128 (19 Nov 66) p.33+. il.
ROADS
Related Headings
- FLYOVERS
- FOOTWAYS
- KERBS
- MOTORWAYS
- STREETS
- TRAFFIC ENGINEERING
- UNDERPASSES

ROADS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular localities
  Great Britain
    South Eastern England
      London
      Kent
        Sevenoaks
      Brentwood
      Great Baddow
      Hertfordshire
      Buckinghamshire
      Berkshire
      Hampshire
        Havant
    Western England
      Somerset
      Bristol
      Long Ashton
      Barnwood
    Midlands
      Coventry
      Nottinghamshire
      Rubery
    Northern England
      Lancashire
        Southport
    Wales
      South Wales
        Port Talbot

ROADS–SUBHEADINGS–Synopsis–cont.

- Particular localities–cont.
  - *Scotland*
    - *Glasgow*
    - *Bonnybridge*
    - *Larbert*
    - *Inverness-shire*
  - *Isle of Man*
  - *Europe*
  - *Africa*
    - *South Africa*
      - *Cape Town*
  - *North America*
    - *U.S.A.*
  - *New Zealand*
  - *Underdeveloped countries*

- *Research*
- *Engineers*
- *Classification*
- *Terminology*
- *Costs*

- Problems
  - *Vegetation control*
    - *Herbicides*
  - *Frost damage*

- Technical activities
  - *Planning*
  - *Design*
  - *Landscaping*
  - *Construction*
    - *Earth moving equipment*
    - *Pavers*
  - *Maintenance*
    - *Trenches*
  - *Drainage*
  - *Cleansing*
    - *Litter*
  - *Snow protection*
  - *Snow clearance*

- *Materials*
  - *Stone*
  - *Concrete*
  - *Soil*
    - *Soil mechanics*
  - *Fillings*

- Structural elements
  - *Bases*
  - *Basecourses*
  - *Sub-bases*
  - *Surfaces*

- Plan & design elements
  - *Design elements*
  - *Curves*
  - *Intersections*
  - *Roundabouts*
  - *Signs*
  - *Markings*
  - *Lay-bys*
  - *Hard shoulders*
  - *Fences*
  - *Sub-surface utilities*

- Types of roads
  - *Flexible*
  - *Stabilised soil*
  - *Elevated*

ROADS–SUBHEADINGS–Synopsis–cont.

- Road use
  - *Town & country planning*
    - *Town planning*
  - *Transport*
    - *Haulage*
    - *Traffic*
      - *Safety*
        - *Accidents*

ROADS, Accidents
Preventing accidents by the lessons of experience. F. R. L. Wentworth. Commercial Vehicles, 40 (Feb 66) p.30-3
Road deaths cut by design. Engineering, 200 (24 Dec 65) p.806
Studies in four counties on an experimental basis. Municipal Engng., 143 (21 Jan 66) p.107-8. il.
Traffic engineering measures to reduce road accidents. J.J. Leeming. Municipal Engng., 143 (9 Sep 66) p.1804+

ROADS, Barnwood
Barnwood by-pass, Gloucester. D. C. Slade. Surveyor, 127 (26 Mar 66) p.19-22. il.

ROADS, Basecourses, Macadam, Coated
Dense coated macadam basecourses and road bases. W. M. Law. Roads & Road Construction, 44 (Apr 66) p.110-12. refs.

ROADS, Bases, Bitumen
Bitumen road construction in depth. R. P. Bell, K. R. Peattie & H.M. Snashall. J. of Instn. of Highway Engrs., 13 (Jan 67) p.19-28. il. refs.

ROADS, Bases, Cement-stabilised
Cement-treated bases in road construction. M. Lorant. Cement, Lime & Gravel, 41 (Oct 66) p.388-9. il.

ROADS, Bases, Density, Measurement, Gamma radiation
Radio-active method for measuring variations in density in concrete cores, cubes and beams. D. G. Harland. Magazine of Concrete Research, 18 (Jun 66) p.95-101. il. ref.

ROADS, Bases, Density, Sand replacement test, Effect of moisture
Investigation into the effect of variations in the dryness of the sand used in the sand-replacement test. A.W. Parsons. Roads & Road Construction, 44 (May 66) p.125-7

ROADS, Bases, Macadam, Coated
Dense coated macadam basecourses and road bases. W. M. Law. Roads & Road Construction, 44 (Apr 66) p.110-12. refs.

ROADS, Berkshire
Bucks and Berks co-operate on £4½m Eton to Windsor road. Municipal Engng., 143 (22 Jul 66) p.1461. il.
Eton-Windsor relief road. Highways & Public Works, 34 (27 Jul 66) p.12-14. il.

ROADS, Bonnybridge
Last section of Glasgow-Kincardine road: Bonnybridge and Larbert diversion nears completion. Municipal Engng., 143 (4 Feb 66) p.235-6. il.

ROADS, Brentwood
Brentwood by-pass: new concrete joint techniques. Roads & Road Construction, 44 (Jan 66) p.14-18. il.

ROADS, Bristol
Road & traffic planning in Bristol. Highways & Public Works, 34 (27 Jul 66) p.8+. il.

ROADS, Buckinghamshire
Bucks and Berks co-operate on £4½m Eton to Windsor road. Municipal Engng., 143 (22 Jul 66) p.1461. il.
Eton-Windsor relief road. Highways & Public Works, 34 (27 Jul 66) p.12-14. il.

ROADS, Cape Town

Black River Parkway, Cape Town, Republic of South Africa. S. S. Morris. Instn. of Civil Engrs. Proc., 35 (Sep 66) p. 59-77. il. refs.

ROADS, Classification

New system of grants to highway authorities: 'principal roads' category to replace classes I, II and III: procedure for initial (1966-67) phase. Surveyor, 127 (18 Jun 66) p.37-8

ROADS, Cleansing, Vehicles

Versatile and easy to drive: new mechanical sweeper ["New Era"] Public Cleansing, 56 (May 66) p.232-4. il.

ROADS, Concrete

Rigid pavements. Architects' J., 144 (9 Nov 66) information sheet 1424. il. refs.

Roads & motorways: data sheet no. 07.25. Civil Engng. & Public Works Rev., 61 (Aug 66) p.971. il.

ROADS, Concrete, Construction, Equipment

British control system used with German machine [ABG "Titan"] Machinery Lloyd (European ed.) 38 (Mar 66) p.34-5. il.

British control system used with German machine [Titan Model 300] Machinery Lloyd (Overseas ed.) 38 (26 Feb 66) p.24-5. il.

Concrete road base laid by asphal paver: a feature of the Sevenoaks bypass being built in Kent is the first use in Britain of a German-built asphalt paving machine [German ABG "Titan"] Engineering, 200 (10 Dec 65) p.745-6. il.

First use of new power on Sevenoaks by-pass project [Titan paver] Highways & Public Works, 33 (29 Dec 65) p.7-9. il.

ROADS, Concrete, Density, Measurement, Gamma radiation

Radio-active method for measuring variations in density in concrete cores, cubes and beams. D. G. Harland. Magazine of Concrete Research, 18 (Jun 66) p.95-101. il. ref.

ROADS, Concrete, Great Britain, History

Early concrete roads in Britain. A.J. Francis. Cement, Lime & Gravel, 41 (Jun 66) p.203-4. il.

ROADS, Concrete, Grooves, Diamond cutting

Anti-skid grooving officially approved by U.S. Senate Committee. Industrial Diamond Rev., 26 (Oct 66) p.452-3. il.

ROADS, Concrete, Joints

Roads & motorways: data sheet no.07.24. Civil Engng. & Public Works Rev., 61 (Jul 66) p.866. il.

ROADS, Concrete, Reinforced, Mesh, Wire, Steel

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See

TOWN PLANNING, Rochester

ROCK

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BASALT
GRANITE
QUARTZITE
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ROUGHNESS, Copper, Surfaces, Heat transfer, Nucleate boiling. See BOILING, Nucleate, Heat transfer, Surfaces, Copper, Roughness

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ROUGHNESS, Surfaces. See SURFACES, Roughness

ROUGHNESS, Surfaces, Effect on heat transfer. Stainless steel, Cans, Fuel elements, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Fuel elements, Cans, Steel, Stainless, Heat transfer, Effect of surface roughness

ROUGHNESS, Surfaces, Heat transfer, Nucleate pool boiling. See BOILING, Pool, Nucleate, Heat transfer, Surfaces, Roughness

ROUGHNESS, Surfaces, Paper, Printing. See PRINTING, Paper, Surfaces, Roughness

ROUGHNESS, Surfaces, Nickel, Electroplate. See ELECTROPLATE, Nickel, Surfaces, Roughness

ROUGHNESS, Surfaces, Paper, Printing. See PRINTING, Paper, Surfaces, Roughness

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ROVER 2000 CARS. See MOTOR CARS, Types Rover 2000

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RUBBER
Related Headings:
- LATEX
- SILICONES, Rubber

RUBBER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Research
Standardisation
Technical literature

Physical & chemical aspects
  Mechanical properties
    Tensile tests
    Elasticity
    Viscoelasticity
      Mooney tests
    Tearing
    Stress softening
    Stress relaxation
  Temperature
    Thermal stability
  Swelling
  Embrittlement
  Degradation

Technical activities
  Testing
  Manufactures
    Mixing
    Mastication
    Vulcanisation
    Moulding
    Extrusion
  Storage

Materials
  Chemicals
  Antioxidants
  Plasticisers
  Fillers

Products
  Mouldings

RUBBER–SUBHEADINGS–Synopsis–cont.

Kinds of rubber
  Crude
  Expanded
  Oil-extended
  Reclaimed
  Synthetic

Applications
  Engineering

RUBBER, Adhesives. See ADHESIVES, Rubber

RUBBER, Aircraft components. See AIRCRAFT, Components, Rubber

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RUBBER, Astronautic vehicles. See ASTRONAUTICS, Vehicles, Rubber

RUBBER, Balls, Cleaning, Tubes, Heat exchangers. See HEAT, Exchangers, Tubes, Cleaning, Balls, Rubber

RUBBER, Bands, Least square analogues. See LEAST SQUARES, Analogues, Rubber bands

RUBBER, Bearings, Bridges. See BRIDGES, Bearings, Rubber

RUBBER, Bearings, Roads, Dams. See DAMS, Roads, Bearings, Rubber

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RUBBER, Coatings. See COATINGS, Rubber

RUBBER, Collars, Drills, Mining, Copper. See COPPER, Mining, Drills, Collars, Rubber

RUBBER, Covers, Rolls, Papermaking machines. See PAPERMAKING, Machines, Rolls, Covers, Rubber

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RUBBER, Degradation, Oxygen
Durability-rubber versus oxygen. Rubber Developments, 18 no.4 (1965) p.141-6. il.

RUBBER, Depolymerised, Adhesives. See ADHESIVES, Rubber, Depolymerised

RUBBER, Diaphragm punch power presses. See PRESSES, Power (Diaphragm punch)

RUBBER, Diaphragms, Sedimentation studies, Flocculated clay. See CLAY, Flocculated, Sedimentation, Studies, Diaphragms, Rubber

RUBBER, Elasticity
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RUBBER, Fabrics, Foundation wear. See FOUNDATION WEAR, Fabrics, Rubber

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TRILINOLEIN

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RUBBER, Seals, High pressure pumps. See PUMPS, High pressure, Seals, Rubber

RUBBER, Seals, Supersonic aircraft. See AIRCRAFT, Supersonic, Seals, Rubber

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NITRILE RUBBER
POLYBUTADIENE
POLYBUTENES
POLYSULPHIDE RUBBER
STYRENE-BUTADIENE RUBBER

RUBBER, Synthetic, Drives, Belts, Engines, Motor vehicles. See MOTOR VEHICLES, Engines, Belts, Drives, Rubber, Synthetic

RUBBER, Synthetic, Floating tanks. See TANKS, Floating, Rubber, Synthetic

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RUBBER, Tubes, Perfusion. See PERFUSION, Tubes, Rubber

RUBBER, Tyres. See TYRES, Rubber

RUBBER, Vehicle components. See VEHICLES, Components, Rubber

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RUBBERISED BITUMEN, Surfaces dressing, Roads. See ROADS, Surfaces, Dressing, Bitumen, Rubberised

RUBBLE MOUND BREAKWATERS, Ports. See PORTS, Breakwaters, Rubble mound

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See

ROADS, Rubery

RUBIDIUM, Vapour, Ionisation, Lasers

RUBIDIUM, Vapour, Magnetometers, Geomagnetic field. See GEOMAGNETIC FIELD, Magnetometers, Rubidium vapour

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- Particular countries
  - *Great Britain*
- *Orbits*
  - *Precession*
- Technical activities
  - Control
    - *Attitude control*
    - *Wobble*
  - *Tracking*
- Parts & equipment
  - *Components*
  - *Power supplies*
  - *Cryogenics*
  - *Heat shields*
  - Communications
    - *Telemetering*
  - *Launchers*
- Types
  - By function
    - *Communication*
    - *(Navigation)*
    - *Geodesy*
    - *Meteorology*
    - *(Observatories)*
    - *(Observation)*
    - *Military*

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SAWING, Metals, Sections. See SECTIONS, Metal, Sawing

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SAWS

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SCALING, Chromium–Nickel. See CHROMIUM–NICKEL, Scaling

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CENTRIFUGES
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FOAM SEPARATION
MOLECULAR SIEVES
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SETTING, Water-based adhesives, Paper, Board. See BOARD, Paper, Adhesives, Water-based, Setting
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- TAILSHAFTS

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SHALE, Bricks. See BRICKS, Shale

SHALE, Oil. See OIL SHALE

SHALE, Oil, Fillings, Roads. See ROADS, Fillings, Oil shale

SHALE, Oil, Sub-bases, Roads. See ROADS, Sub-bases, Oil shale

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HYDROELECTRIC POWER STATIONS, Sharavathi

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SHAW PROCESS, Casting, Die manufactures, High-energy-rate forming, Metals. See METALS, Forming, High-energy-rate, Dies, Manufactures, Casting, Shaw process

SHAWELL SYSTEM, Precast concrete, Buildings. See BUILDINGS, Concrete, Precast, Shawell system

SHEAR–BENDING, Reinforced concrete, Beams. See BEAMS, Concrete, Reinforced, Bending–Shear

SHEAR CONNECTORS, High yield stress steel, Structures. See STRUCTURES, Steel (High yield stress) Shear connectors

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SHEAR FLOW, Liquids. See LIQUIDS, Flow, Shear

SHEAR FLOW, Plates. See PLATES, Flow, Shear

SHEAR FRACTURE, Aluminium alloys. See ALUMINIUM, Alloys, Fracture, Shear

SHEAR LAYER, Free, Separation, Boundary layer, Nozzles. See NOZZLES, Boundary layer, Separation, Free shear layer

SHEAR LOADING, Buckling, Stiffened plates. See PLATES, Stiffened, Buckling, Shear

SHEAR LOADING, Reinforced concrete rectangular beams. See BEAMS, Rectangular, Concrete, Reinforced, Shear loading

SHEAR LOADING, Stock deflocculation, Papermaking. See PAPERMAKING, Stock deflocculation, Shear loading

SHEAR PLANES, Diffusion, Molybdenum oxides. See MOLYBDENUM OXIDES, Diffusion, Shear planes

SHEAR PLANES, Diffusion, Niobium oxides. See NIOBIUM OXIDES, Diffusion, Shear planes

SHEAR PLANES, Diffusion, Titanium oxides. See TITANIUM OXIDES, Diffusion, Shear planes

SHEAR PLANES, Diffusion, Tungsten oxides. See TUNGSTEN OXIDES, Diffusion, Shear planes

SHEAR STRENGTH, Pretensional concrete, I-section beams. See BEAMS, I-section, Concrete, Pretensional, Shear strength

SHEAR STRESS, Interfacial, Horizontal channels, Flow, Gas–liquid systems. See GAS–LIQUID SYSTEMS, Flow, Channels, Horizontal, Interfacial shear stress

SHEAR STRESSES, Beryllium–Copper, Foil. See FOIL, Beryllium–Copper, Shear stresses

SHEAR STRESSES, Rectangular tanks, Circulation, Liquids. See LIQUIDS, Circulation, Tanks, Rectangular, Shear stresses
SHEAR STRESSES, Reinforced concrete, Beams. See BEAMS, Concrete, Reinforced, Shear stresses
SHEAR STRESSES, Reinforced concrete, Slabs. See SLABS, Concrete, Reinforced, Shear stresses
SHEAR STRESSES, Walls, Turbulent flow, Pipes. See PIPES, Flow, Turbulent, Wall shear stress
SHEAR TESTS, Clay, Soil. See SOIL, Clay, Shear tests
SHEAR TESTS, Sandwich panels, Structures, Aircraft. See AIRCRAFT, Structures, Panels, Sandwich, Shear tests
SHEAR TESTS, Triaxial, Keuper marl soil. See SOIL, Marl, Keuper, Shear tests, Triaxial

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SHEAR WALLS, Tall buildings. See BUILDINGS, Tall, Walls, Shear
SHEARER LOADERS, Coal mining. See COAL, Mining, Shearer loaders
SHEARERS, Coal mining. See COAL, Mining, Shearers
SHEARERS, Double drum, Coal mining. See COAL, Mining, Shearers, Double drum
SHEARING, Billets. See BILLETS, Shearing
SHEARING, Cast iron, Pipes. See PIPES, Iron, Cast, Shearing
SHEARING, Low alloy steel, Plates. See PLATES, Steel, Low alloy, Shearing
SHEARING, Metals. See METALS, Shearing
SHEATHED WOOD TEE BEAMS, Roofs. See ROOFS, Beams, Tee, Wood, Sheathed
SHEATHING, Electric cables. See CABLES, Electric, Sheathing
SHEATHING, Grouped single core electric cables. See CABLES, Electric, Single core, Grouped, Sheathing
SHEATHS, Polythene, Cables, Telephony. See TELEPHONY, Cables, Polythene, Sheaths
SHEATHS, Refractories, Thermocouples, Furnaces. See FURNACES, Thermocouples, Sheath, Refractories
SHEDS, Storage, Potatoes. See POTATOES, Storage, Sheds
SHEEP
Related Headings:
LAMB

SHEEP, Housings, Sheets, Polythene
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SHEEP, Maggot fly, Insecticides, 1-(2,4-Dichlorophenyl)-2-chlorovinyl phosphate, Residues
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SHEET FED OFFSET LITHOGRAPHY. See LITHOGRAPHY, Sheet fed offset
SHEET FED OFFSET LITHOGRAPHY, Printing, Advertisements. See ADVERTISEMENTS, Printing, Lithography, Sheet fed offset
SHEET FED MACHINES, Wrap around plates, Printing. See PRINTING, Plates "Wrap around", Machines, Sheet fed
SHEET FED ROTARY MACHINES, Printing. See PRINTING, Machines, Rotary, Sheet fed
SHEET PILES, Wharfs. See WHARFS, Piles, Sheet

SHEETS–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Materials
  - *Metals*
    - *Steel*
    - *Steel–Chromium–Molybdenum–Nickel*
    - Non-ferrous metals
      - *Aluminium*
      - *Nimonic alloys*
      - *Nickel-Thoria*
      - *Aluminium alloys*
  - *Plastics*
    - *Acrylic plastics*
    - *Thermoplastics*
      - *Polythene*
      - *Polystyrene*
    - *Polyester–Glass fibre*
    - *Polypropylene–Glass fibre*
  - *Glass*
- Kind of sheets
  - *Oscillating*

SHEETS, Acrylic plastics, Routing, Machines
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SHEETS, Aluminium, Caravans. See CARAVANS, Sheets, Aluminium
SHEETS, Aluminium, Coating
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SHEETS, Aluminium, Coatings, Organic
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SHEETS, Aluminium, Creep, Tensile stresses, Measurement, Strain-replica method
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Anisotropy and the Bauschinger effect in cold rolled aluminium. N. L. Svensson. J. of Mechanical Engng. Science, 8 (Jun 66) p.162-72. il. refs.

SHEETS, Aluminium, Strength, Comparison with sheet polyester–Glass fibre strength, Nomograms
Comparable strengths of glass-fibre laminates. Pt.2: aluminium. Design & Components in Engng. (13 Oct 66) p.15. il.

SHEETS, Aluminium, Structures, Aircraft. See AIRCRAFT, Structures, Sheets, Aluminium

SHEETS, Aluminium, Welding, Arc, Control, Pulse current
Pulse arc welding aluminium. Engineering, 202 (1 Jul 66) p.36. il.

SHEETS, Aluminium alloys, Rolling, Hot
Hot-rolling mill incorporates novel screw-down features. Light Metals & Metal Industry, 29 (Mar 66) p.46-7. il.

SHEETS, Folded, P.V.C., Cladding, Buildings. See BUILDINGS, Cladding, Sheets, Folded, P.V.C

SHEETS, Glass, Manufactures, Rollers, Steel, Tubular
Flat drawn process for sheet glass: application of tubular forgings for rollers. Metallurgia, 75 (Oct 66) p.174-5. il.

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SHIPS

Related Headings:
- ANCHORS
- BARGES
- BOATS
- BREWERIES, Ships
- BUOYS, Maintenance, Vessels
- DREDGERS (Ships)
- FERRIES
- FISHING, Vessels
- HULLS
- ICEBREAKERS
- LAUNCHES
- LIFEBOATS
- PULP, Production, Factory ships
- RAFTS
- SCHOONERS
- TANKERS, Ships
- TENDERS, Ships
- TUGS
- WARSHIPS
- WHALERS
- YACHTS

SHIPS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Research
  - *Model tests*

- Problems
  - *Accidents*

SHIPS–SUBHEADINGS–Synopsis–cont.

- Problems–cont.
  - *Fires*
  - *Corrosion*

- Properties
  - *Strength*
  - *Seaworthiness*
  - *Buoyancy*
  - *Motion*
    - *Waves*
    - *Vibrations*

- Technical activities
  - *Design*
  - *Repairs*
  - *Conversion*
  - *Painting*
    - *Paint*
  - *Navigation*
    - *Data logging*
    - *Astronavigation*
    - *Direction indication*
    - *Pilotage*
  - *Towing*
  - *Fumigation*

- Parts, Equipment & Services
  - *Equipment*
  - *Structures*
    - *Plates*
      - *Stringer plates*
      - *Sheer strakes*
    - *Grillages*
    - *Plate–Beam structures*
    - *Decks*
    - *Bridges*
    - *Bows*
    - *Sterns*
    - *Hatch covers*
    - *Funnels*

  - *Tanks*
  - *Cables*
  - *Gangways*
  - *Control systems*
  - *Machinery*
    - *Engines*
      - *Diesel engines*
        - *Fuel oil*
      - *Steam engines*
      - *Gas-Steam turbines*
      - *Steam turbines*
      - *Gas turbines*
      - *Electrical propulsion*
      - *Nuclear propulsion*
    - *Gearboxes*
    - *Propellers*
      - *Water jet propulsion*
    - *Fasteners*
    - *Roll stabilisers*
    - *Steam plant*
    - *Boilers*
    - *Hydraulic machinery*
    - *Pumps*
    - *Valves*
    - Mechanical handling
      - *Winches*
  - *Steering systems*
    - *Rudders*
  - *Electrical equipment*

SHIPS–SUBHEADINGS–Synopsis–cont.

- Services & facilities
  - *Electronic equipment*
    - *Radio*
  - *Air conditioning*
  - *Heating*
  - *Refrigeration equipment*
    - *Refrigerants*
  - *Sewage*

- Performance
  - *Operational performance*

- Types of ships
  - *Docked*
  - *Damaged*
  - By propulsion characteristics
    - *Motor*
    - *(Gas turbine)*
    - *Sailing*
  - By facilities
    - *Refrigerated*
    - *Self discharging*
    - *Pin jointed hull*
  - By cargo
    - *Passenger*
    - *Fruit carrying*
      - *(Banana)*
    - *Grain*
    - *Ore carrying*
      - *Iron ore carrying*
    - *Iron–Silicon carrying*
    - *Cement carrying*
    - *Coal carrying*
    - *Chemical carrying*
    - *Beer carrying*
    - *Paper carrying*
      - *Newsprint carrying*
    - *Timber carrying*
    - *Wood products carrying*
    - *Train carrying*
    - *Motor vehicle carrying*
      - *Motor car carrying*
  - By special function
    - *Training*
    - *(Oceanography research)*
    - *Weather*
    - *Astronautic vehicle tracking*
    - *(Cable laying)*
    - *(Cable repair)*
    - *Tramp*

SHIPS, Accidents

Constant problem of ships' accident prevention. Shipping World & Shipbuilder, 158 (Apr 66) p.32+

SHIPS, Air conditioning

Air conditioner [Voyager, Norris Warming Co. Ltd.] Ship & Boat Builder, 19 (Nov 66) p.67-8. il.

Marine air conditioning. S. J. Jones. Modern Refrigeration, 69 (May 66) p.423-9. il.

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SHIPS, Astronautic vehicle tracking

"Redstone": tracking & communication ship for "Project Apollo". Shipbuilding & Shipping Record, 108 (18 Aug 66) p.226+. il.

SHIPS, Astronavigation

Survey of the use of astronomical methods at sea. D. M. Bissett & J. J. Evans. J. of Inst. of Navigation 19 (Jan 66) p.122-4

SHIPS, Astronavigation, Sight reduction, Tables

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SHIPS (Banana)

"Geestcape", banana carrier for Windward Islands–U.K. trade. Shipbuilding & Shipping Record, 108 (13 Oct 66) p.502-4. il.

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"Oyonnax", a fast banana carrier. Shipbuilding & Shipping Record, 107 (9 Jun 66) p.762-5. il.

21-knot "Geestcape" –– the largest British-built banana ship Motor Ship, 47 (Oct 66) p.303-5. il.

SHIPS, Beer carrying, Cargo handling

"Suffolk", a new concept for handling unitised cargoes. Shipbuilding & Shipping Record, 108 (21 Jul 66) p.86-9. il.

SHIPS, Boilers

Marine boilers for main propulsion. E. G. Hutchings. Shipping World & Shipbuilder, 157 (3 Mar 66) p.687-90. il. refs.

SHIPS, Boilers, Feedwater, Ion exchange

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SHIPS, Boilers, Two-drum

Design and development of two-drum marine boilers. E. G. Hutchings. Inst. of Marine Engrs. Trans., 77 (Dec 65) p.458-64. il. refs.

SHIPS, Bows, Bulbous

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SHIPS, Bridges, Layout

Optimum bridge layout. L. S. C. London. Shipbuilding & Shipping Record, 108 (14 Jul 66) p.55+. il.

Planned ships' bridges. Shipbuilding & Shipping Record, 108 (14 Jul 66) p.57+. il.

SHIPS, Buoyancy, Effect of waves

Note on the buoyancy of a ship amongst waves. W. Muckle. R. Instn. of Naval Architects Q. Trans., 107 (Oct 65) p.549-57. il. refs.

SHIPS (Cable laying) Cable guiding equipment

New whiskers for Monarch and Alert. G. Haley, J. Kolanowski & C. J. Clarke. P.O. Telecommunications J., 18 (Autumn 66) p.30-1. il.

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SHIPS, Cables, Chain, Manufactures

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SHIPS, Cement carrying

"Malarvik", Finnish-built self-loading/discharging bulk cement carrier. Shipbuilding & Shipping Record, 107 (6 Jan 66) p.17-19. il.

SHIPS, Chemical carrying

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SHIPS, Coal carrying, Diesel engines

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SHIPS, Control systems

Automation—an end in itself? Shipbuilding & Shipping Record, 107 (9 Jun 66) p.760+

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SHIPS, Control systems, Computers

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SHIPS, Control systems, Redundancy techniques

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SHIPS, Conversion

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SHIPS, Corrosion

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SHIPS, Damaged, Stability, Calculations, Computers

Damage stability calculations by electronic computer. G.R. Dicovi. Shipping World & Shipbuilder, 159 (Nov 66) p.654-9. il. refs.

SHIPS, Data logging, Equipment

Data logging system for ships [ASEA] Shipping World & Shipbuilder, 159 (Jul 66) p.103-4. il.

SHIPS, Decks, Plates, Steel, Welded, Fracture, Brittle

Hatch corner deck and side shell of a shelterdecker. Welding in the World, 4 (Autumn 66) p.180-1

SHIPS, Design

Bureau Veritas rules for bulk carriers. T. Macduff. Shipping World & Shipbuilder, 159 (Sep 66) p.346-51. il.

Economics and ship design. K. R. Chapman. N.E. Coast Instn. of Engrs. & Shipbuilders Trans., 83 (Dec 66) p.31-46. il. refs.

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SHIPS, Design, Effect of pallets

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SHIPS, Design, Resistance

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SHIPS, Design, Resistance, Model tests

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SHIPS, Design, Resistance, Model tests, Reference, Standards, Plates, Glass

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SHIPS, Design, Resistance, Model tests, Wind tunnels

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SHIPS, Design, Resistance, Statistical methods

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SHIPS, Diesel engines

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Designing for higher outputs: development of M.A.N. crosshead engines. H. Scobel. Shipbuilding & Shipping Record, 106 (16 Dec 65) p.821-4. il.

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Wartsila series 14 diesel. Ship & Boat Builder, 19 (Feb 66) p.29-31. il.
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SHIPS, Diesel engines, Auxiliary, Control, Remote
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SHIPS, Diesel engines, Auxilliary, Wear
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SHIPS, Diesel engines, Balancers
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SHIPS, Diesel engines, Control, Pneumatic, Remote
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SHIPS, Diesel engines, Design
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Explosions in the crankcases and scavenger air belts of diesel engines. S. Overaas. Shipbuilding & Shipping Record, 107 (13 Jan 66) p.43-5. il.

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SHIPS, Diesel engines, Fuels, Filters
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SHIPS, Diesel engines, Fuels, Stability
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SHIPS, Diesel engines, Fuels, Viscosity, Measurement, Instruments
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SHIPS, Diesel engines, Gears
Medium-speed geared diesel engines for merchant ship propulsion (abstract) J. Neumann & J. Carr. Shipping World & Shipbuilder, 159 (Dec 66) p.754+. il.

SHIPS, Diesel engines, Lubricating oil
New HD specification for marine service. Scientific Lubrication, 18 (Nov 66) p.12+

SHIPS, Diesel engines, Lubrication, Control systems
Automatic lubrication for engine overhead gear [Milomatic system] Marine Engr. & Naval Architect, 89 (Mar 66) p.102-3. il.

SHIPS, Diesel engines, Manufactures
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SHIPS, Diesel engines, Noise
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SHIPS, Diesel engines, Operation, Costs
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Air consumption data and practical performance of the Stork uniflow-scavenged two-stroke marine engine. Pt.2: practical performance of the Stork engine. H. Van der Wal. Inst. of Marine Engrs. Trans., 78 (Jun 66) p.242-73. il. refs.
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SHIPS, Diesel engines, Testing
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Surface temperatures and corrosion in turbochargers: summary of "Comparative shipboard measurements of surface temperatures and surface corrosion in air cooled and water cooled turbine outlet casings of exhaust driven marine diesel engine turbochargers." R. W. S. Mitchell & V. A. Ogale. Shipping World & Shipbuilder, 158 (May 66) p.221+. il. ref.

SHIPS, Diesel engines, Wear

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SHIPS, Direction indication, Signals, Optical

Visual direction indication for ships. A. Webster. J. of Inst. of Navigation, 19 (Apr 66) p.265-8

SHIPS, Docked (Floating docks) Analysis, Elastic

Elastic analysis of a ship in a floating dock. H. Vaughan. R. Instn. of Naval Architects Q. Trans., 108 (Apr 66) p.133-52. il. refs.

SHIPS, Dredgers. See DREDGERS (Ships)

SHIPS, Electrical equipment

Marine auxiliaries (contd.) R.E. Reyner. Ship & Boat Builder, 19 (Dec 66) p.37-8

SHIPS, Electrical propulsion

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SHIPS, Electronic equipment, Cables

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SHIPS, Engines

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SHIPS, Engines, Manufactures

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SHIPS, Equipment

Some developments in ship's gear. J.A. Hind. Ship & Boat Builder, 19 (Jul 66) p.43-9. il.

SHIPS, Fasteners

Fasteners for marine engineers. P. E. White. Anti-Corrosion Methods & Materials, 1 (May 66) p.29-31. il.

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SHIPS, Fires, Detection, Ionisation chambers

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SHIPS, Fruit carrying, Refrigeration

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SHIPS, Fuel oil, Viscometers

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SHIPS, Fumigation, Hydrocyanic acid, Safety

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SHIPS, Funnels

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SHIPS, Gangways, Hydraulic

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Two shallow-draught ships designed for heavy indivisible loads. Motor Ship, 47 (Oct 66) p.311-12. il.

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Cargo liner "Krakow" – first of ten. Marine Engr. & Naval Architect, 89 (May 66) p.193-4. il.

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"Prudential Seajet": first of two replacement vessels. Shipbuilding & Shipping Record, 108 (11 Aug 66) p.186-90. il.

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Finiish-built refrigerated "paragraph" ship ["Ranno"] Motor Ship, 47 (Jun 66) p.137-9. il.

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SHOCK ABSORBERS, Spinning discs, Spraying, Aerosols. See AEROSOLS, Spraying, Discs, Spinning, Shock absorbers

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SHOCK WAVES, Effect on colour centres, Potassium salt. See POTASSIUM SALT, Colour centres, Effect of shock waves

SHOCK WAVES, Exhaust systems, Engines, Motor vehicles See MOTOR VEHICLES, Engines, Exhaust systems, Shock waves

SHOCK WAVES, Gas–solid systems. See GAS–SOLID SYSTEMS, Shock waves

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SORTING, Limestone. See LIMESTONE, Sorting

SORTING, Paper. See PAPER, Sorting

SORTING, Tinplate. See TINPLATE, Sorting

SOUND
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ELECTROACOUSTICS
NOISE
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SONOCHEMICAL REACTIONS
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SPECTROPHOTOMETRY, Lead borate glass. See GLASS, Lead borate, Spectrophotometry

SPECTROPHOTOMETRY, Lead determination. See LEAD, Determination, Spectrophotometry

SPECTROPHOTOMETRY, Magnesium determination. See MAGNESIUM, Determination, Spectrophotometry

SPECTROPHOTOMETRY, Niobium determination, Low alloy steel. See STEEL, Low alloy, Determination of niobium, Spectrophotometry

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SPECTROPHOTOMETRY, Nitrogen doped silicon carbide. See SILICON CARBIDE, Doped, Nitrogen Spectrophotometry

SPECTROPHOTOMETRY, Oxide impurities, Chalcogenides–Group 4A elements–Group 5A elements, Glass. See GLASS, Chalcogenides–Group 4A elements–Group 5A elements, Oxide impurities, Spectrophotometry

SPECTROPHOTOMETRY, Phosphates determination, Pollution, Water. See WATER, Pollution, Determination of phosphates, Spectrophotometry

SPECTROPHOTOMETRY, Phosphates determination, Sewage. See SEWAGE, Determination of phosphates, Spectrophotometry

SPECTROPHOTOMETRY, Phosphorus determination. See PHOSPHORUS, Determination, Spectrophotometry

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SPECTROPHOTOMETRY, Plutonium determination, Plutonium dioxide, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Plutonium dioxide, Determination of plutonium, Spectrophotometry

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SPECTROPHOTOMETRY, Tantalum determination. See TANTALUM, Determination, SPECTROPHOTOMETRY, Thorium dioxide determination, Thorium dioxide–Uranium dioxide, Fuels, Nuclear reactors. See NUCLEAR REACTORS, Fuels, Thorium dioxide–Uranium dioxide, Determination of thorium dioxide, Spectrophotometry

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SPECTROPHOTOMETRY, Vitamin D determination, Oils, Liver, Freshwater fish. See FISH, Freshwater, Liver, Oils, Determination of vitamin D, Spectrophotometry

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SPECTROSCOPY, Absorption, Analysis. See SPECTROPHOTOMETERS

SPECTROSCOPY, Absorption, Analysis. See SPECTROPHOTOMETRY

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SPECTROSCOPY, Absorption, Hexanitrodiphenyl complexes. See HEXANITRODIPHENYL COMPLEXES, Spectroscopy, Absorption

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SPECTROSCOPY, Infra-red, Carbon determination, Effluents. See EFFLUENTS, Determination of carbon, Spectroscopy, Infra-red

SPECTROSCOPY, Infra-red, Carbonyls, Coal. See COAL, Carbonyls, Spectroscopy, Infra-red

SPECTROSCOPY, Infra-red, Carboxylic acid determination, Petroleum. See PETROLEUM, Determination of carboxylic acids, Spectroscopy, Infra red

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STEAM–NAPHTHA, Synthesis gas production. See SYNTHESIS GAS, Production, Steam–Naphtha

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STEEL-SUBHEADINGS-Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Terminology*
- *Information services*

- Problems
  - *Corrosion*
  - *Scale*
  - *Banding*
  - *Overheating*

- Properties
  - *Effect of*
  - Mechanical properties
    - *Strength*
    - *Fracture*
    - *Tensile strength*
    - *Friction stress*
    - *Fatigue*
    - *Creep*
    - *Machinability*
  - *Electrical resistivity*
    - *Embrittlement*
  - *Thermal conductivity*
  - *Thermal stresses*
  - *Thermal transformations*
    - *Austenite-Cementite transition*
  - Chemistry
    - *Inclusions*
    - *Tramp elements*

- Phases
  - *Bainite*
  - *Cementite*

- Technical activities
  - Analysis
    - *Determination of*
  - *Radiography*
  - *Environmental testing*
  - *Production*
  - *Manufactures*
    - *Mills*
    - *Melting*
      - *Re-melting*
    - *Reheating*
    - *Foundry practice*
    - *Casting*
      - *Die casting*
    - *Forming*
    - *Forging*
      - *Upsetting*
    - *Rolling*
    - *Extrusion*
    - Hardening
      - *Precipitation hardening*
    - *Heat treatment*
      - *Spheroidising*
      - *Thermomechanical treatment*
        - *Ausforming*
      - *Quenching*
        - *Austempering*
    - *Stress relaxation*
    - *Welding*
    - *Polishing*
  - *Coatings*
    - *Painting*
    - *Paint*

STEEL-SUBHEADINGS-Synopsis-cont.

- Technical activities-cont.
  - *Transport*

- Products
  - *Castings*
  - *Forgings*
  - *Scrap*

- Types of steel
  - By state
    - *Liquid*
    - *Hot*
  - By process
    - *Cast*
    - *Killed*
    - Heat treated
      - *Annealed*
    - *Carburised*
    - *Grain refined*
    - *Hardened*
    - *Work hardened*
    - *Rolled*
    - *Bonded*
    - *Welded*
    - Coated
      - *Galvanised*
      - *Electroplated*
  - By property
    - *Rimming*
    - *High tensile*
    - *High yield stress*
    - *Free machining*
  - By phase
    - *Ferritic*
    - *Austenitic*
    - *Bainitic*
    - *Martensitic*
    - *Pearlitic*
  - By material
    - *Eutectoid*
    - *Mild*
    - *Low alloy*
    - *Stainless*
    - *Alloys*
  - By purpose
    - *(Forging)*
    - *(Welding)*
    - *Building materials*
    - *Electrical engineering materials*

STEEL, Agricultural equipment. See AGRICULTURAL EQUIPMENT, Steel

STEEL, Alloys, Creep rupture tests

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STEEL, Bearings. See BEARINGS, Steel

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FLOW STRESS
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SUGARS

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- 4-DEOXY-D-XYLO-HEXOSE
- 2-4-DIDEOXY-D-threo-HEXOSE
- 2-S-ETHYL-2-THIOALDOSE
- FRUCTOSE
- GLUCOSE
- GLYCOSIDES
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SULPHUR TRIOXIDE, Flue gas, Oil-fired boilers, Power stations. See POWER STATIONS, Boilers, Oil-fired, Flue gas, Sulphur trioxide

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SULPHURIC ACID, Adsorption, Wool. See WOOL, Sulphuric acid adsorption

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SULPHURIC ACID, Digestion, Kjeldahl method, Nitrogen determination. See NITROGEN, Determination, Kjeldahl method, Sulphuric acid digestion

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SULPHURIC ACID, Solutions, Nickel anodes. See ANODES, Nickel, Sulphuric acid solutions

SULPHURIC ACID, Solutions, Platinum anodes. See ANODES, Platinum, Sulphuric acid solutions

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SULPHURIC ACID–GLYCEROL, Solutions, Rotating disc copper cathodes. See CATHODES, Copper, Rotating disc, Glycerol–Sulphuric acid solutions

SULPHURIC ACID–HYDROCHLORIC ACID, Pitting, Corrosion, Steel–Chromium–Molybdenum–Nickel. See STEEL–CHROMIUM–MOLYBDENUM–NICKEL, Corrosion, Pitting, Hydrochloric acid–Sulphuric acid

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- SUNLIGHT
- SUNSPOT

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SUNDERLAND

See

- BUSES, Transport, Sunderland
- CIVIC CENTRES, Sunderland
- RAILWAYS, Stations, Sunderland
- TOWN PLANNING, Sunderland

SUNLIGHT, Environmental factors, Design, Architecture. See ARCHITECTURE, Design, Environmental factors, Sunlight

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- FILMS, Lead, Superconducting
- FILMS, Tin, Superconducting
- INDIUM–TANTALUM, Superconductivity
- NIOBIUM, Alloys, Deformed, Superconductivity
- NIOBIUM–TIN, Superconducting
- STRIPS, Lead–Bismuth, Superconductivity
- STRONTIUM TITANATE, Semiconductors, Superconductivity
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SUPERCRITICAL PRESSURE, Steam plant, Power stations. See POWER STATIONS, Steam plant, Supercritical pressure

SUPERFLUIDITY, Dilution cryostats, Helium. See HELIUM, Cryostats, Isotope dilution

SUPERFLUIDITY, Liquid helium. See HELIUM, Liquid, Superfluidity

SUPERHEATING, Steam, Water cooled nuclear reactors. See NUCLEAR REACTORS, Water cooled, Steam, Superheating

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SUPERSONIC FLOW, Orthotropic plates. See PLATES, Orthotropic, Flow, Supersonic

SUPERSONIC WIND TUNNELS. See WIND TUNNELS, Supersonic

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SUPPORTS, Boring, Tunnels. See TUNNELS, Boring, Supports

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SUPPORTS, Silanised, Reversed phase thin layer chromatography, Fatty acids. See FATTY ACIDS, Chromatography, Thin layer, Reversed phase, Supports, Silanised

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INTERFACES

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TAPER ROOT SPLINES. See SPLINES, Taper root

TAPERED GAS–SOLID FLUIDISED BEDS. See FLUIDISED BEDS, Gas–Solid, Tapered

TAPERED RECTANGULAR PLATES. See PLATES, Rectangular, Tapered

TAPERED SEATINGS, Spherical roller bearings. See BEARINGS (Roller) Spherical, Seatings, Tapered

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CREOSOTE
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TARGET AIRCRAFT. See AIRCRAFT, Target

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TEACHING, Control systems, Electrical machinery. See ELECTRICAL MACHINERY, Control systems, Teaching

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TEACHING, Engineering drawing. See ENGINEERING, Drawing, Teaching

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TEACHING, Pneumatic simulators, Control systems. See CONTROL SYSTEMS, Simulators, Pneumatic, Teaching aids

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TEACHING, Programmed, Postgraduate education, Engineering. See ENGINEERING, Education, Postgraduate, Programmed teaching

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TEACHING, Pumps, Hydraulic machinery. See HYDRAULIC MACHINERY, Pumps, Teaching

TEACHING, Solid state switching circuits. See SWITCHING CIRCUITS, Solid state, Teaching

TEACHING, Strength of materials. See STRENGTH OF MATERIALS, Teaching

TEACHING, Structures theory. See STRUCTURES, Theory, Teaching

TEACHING, Switching circuits. See SWITCHING CIRCUITS, Teaching

TEACHING, Thermodynamics, Mechanical engineering. See MECHANICAL ENGINEERING, Thermodynamics, Teaching

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TEACHING AIDS, Photography. See PHOTOGRAPHY, Teaching aids
TEACHING AIDS, Projection equipment, Cinematography. See CINEMATOGRAPHY, Projection, Equipment, Teaching aids
TEACHING AIDS, Secondary schools, Technical education. See TECHNICAL EDUCATION, Secondary schools, Teaching aids
TEACHING AIDS, Stirling engines. See STIRLING ENGINES, Teaching aids
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TRADING ESTATES, Team Valley
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TECHNETIUM COMPOUNDS, Corrosion inhibitors, Iron. See IRON, Corrosion, Inhibitors, Technetium compounds
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Related Headings:
FISHING, Underdeveloped countries
TECHNICAL EDUCATION, Underdeveloped countries
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TECHNICAL EDUCATION
Related Headings:
APPRENTICESHIPS
RETRAINING
SCHOLARSHIPS
TEACHING
VOCATIONAL GUIDANCE

TECHNICAL EDUCATION–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular localities
- *Great Britain*
  - *Tees-side*
- *Netherlands*
- *East Germany*
- *Scandinavia*
- *Finland*
- *Australia*
- *Underdeveloped countries*

Methods
- *Teaching*
  - *Teachers*
  - *Training officers*
  - *Teaching aids*
  - *Experiments*
  - *Examinations*

TECHNICAL EDUCATION–SUBHEADINGS–Synopsis–cont.

- Methods–cont.
  - *Re-training*

- Equipment
  - *Teaching aids*
  - *Buildings*

- Curriculum
  - *General studies*
  - *Liberal studies*
  - *Law studies*
  - *Economics studies*

- Types of course
  - *Sandwich courses*

- Grade or system
  - *Primary schools*
  - *Secondary schools*
  - *Adult*
  - *Degrees*
  - *Universities*
    - *Postgraduate*
  - *Disabled persons*
    - *Spastics*

TECHNICAL EDUCATION, Adult, Spain
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TECHNICAL EDUCATION, Adult, West Germany
Adult education in post-war Germany. J. Huddleston. Technical Education, 8 (Jul 66) p.302-4. il.

TECHNICAL EDUCATION, Agricultural machinery. See AGRICULTURAL MACHINERY, Education

TECHNICAL EDUCATION, Air transport. See AIR TRANSPORT, Education

TECHNICAL EDUCATION, Aircraft engineering. See AIRCRAFT, Engineering, Education

TECHNICAL EDUCATION, Animal feedingstuffs manufactures. See ANIMAL FEEDINGSTUFFS, Manufactures, Education

TECHNICAL EDUCATION, Architectural design. See ARCHITECTURE, Design, Education

TECHNICAL EDUCATION, Architecture. See ARCHITECTURE, Education

TECHNICAL EDUCATION, Astronautics. See ASTRONAUTICS, Education

TECHNICAL EDUCATION, Australia
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TECHNICAL EDUCATION, Bodies maintenance, Motor vehicles. See MOTOR VEHICLES, Bodies, Maintenance, Education

TECHNICAL EDUCATION, Building. See BUILDING, Education

TECHNICAL EDUCATION, Buildings, Spastics
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TECHNICAL EDUCATION, Can manufacture machine maintenance. See CANS, Manufactures, Machines, Maintenance, Education

TECHNICAL EDUCATION, Catering. See CATERING, Education

TECHNICAL EDUCATION, Chemical engineering. See CHEMICAL ENGINEERING, Education

TECHNICAL EDUCATION, Chemical technology. See CHEMICAL TECHNOLOGY, Education

TECHNICAL EDUCATION, Chemistry. See CHEMISTRY, Education

TECHNICAL EDUCATION, Civil engineering. See CIVIL ENGINEERING, Education

TECHNICAL EDUCATION, Civil engineering plant. See CIVIL ENGINEERING, Plant, Education

TECHNICAL EDUCATION, Coal mining. See COAL, Mining, Education

TECHNICAL EDUCATION, Coal mining engineering. See COAL, Mining, Engineering, Education

TECHNICAL EDUCATION, Commercial vehicle maintenance. See VEHICLES, Commercial, Maintenance, Education

TECHNICAL EDUCATION, Commercial vehicles, Transport, Paper. See PAPER, Transport, Commercial vehicles, Education

TECHNICAL EDUCATION, Communications engineering. See COMMUNICATIONS, Engineering, Education

TECHNICAL EDUCATION, Computers. See COMPUTERS, Education

TECHNICAL EDUCATION, Concrete structures. See STRUCTURES, Concrete, Education

TECHNICAL EDUCATION, Control systems. See CONTROL SYSTEMS, Education

TECHNICAL EDUCATION, Control systems, Machine tools. See MACHINE TOOLS, Control systems, Education

TECHNICAL EDUCATION, Cotton manufactures. See COTTON, Manufactures, Education

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TECHNICAL EDUCATION, Driving, Commercial vehicles. See VEHICLES, Commercial, Driving, Education

TECHNICAL EDUCATION, Drop forging. See FORGING, Drop, Education

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TELEMETERING, Power distribution. See POWER DISTRIBUTION, Telemetering

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TELEMETERING, Stations, H.F. radio communications. See RADIO, Communications, H.F., Stations, Telemetering

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TELEVISION
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TELEVISION–SUBHEADINGS–*Synopsis*

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular countries
Eastern Europe
Russia

Transmission
U.H.F.
Cable-links
Radio links

TELEVISION–SUBHEADINGS–*Synopsis–cont.*
Transmission–cont.
Signals
Picture quality
Sound transmission

Projection

Recording

Equipment
Lighting
Cameras
Film
Transmitters
Receivers

Broadcasts
Stations
Studios
Outside broadcasts

Material televised
Films

Systems
Pulse code modulation
Pulse sound modulation
Wired
"Pay"
Colour
Closed circuit

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TELEVISION, Closed circuit, Inspection, Sewers. See SEWERS, Inspection, Television, Closed circuit

TELEVISION, Closed circuit, Inspection, Water wells. See WATER, Wells, Inspection, Television, Closed circuit

TELEVISION, Closed circuit, Internal inspection, Underground pipes. See PIPES, Underground inspection, Internal, Television, Closed circuit

TELEVISION, Closed circuit, Knitting machine studies. See KNITTING, Machines, Studies, Television, Closed circuit

TELEVISION, Closed circuit, Nuclear reactor maintenance. See NUCLEAR REACTORS, Maintenance, Television, Closed circuit

TELEVISION, Closed circuit, Quarrying. See QUARRYING, Television, Closed circuit

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TENSILE TESTS, Polymers. See POLYMERS, Tensile tests

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TERRITORIAL LIMITS, Fishing. See FISHING, Territorial limits
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TETRAHYDROFURAN, Polytetramethylene oxide production. See POLYTETRAMETHYLENE OXIDE, Production, Tetrahydrofuran

TETRAHYDROFURFURYL ALCOHOL, Reaction with fructose. See FRUCTOSE, Reaction with tetrahydrofurfuryl alcohol

TETRAHYDRONAPHTHALENE, Dissolution, Bituminous coal. See COAL, Bituminous, Dissolution, Tetrahydronaphthalene

TETRAMETHYLDIAMINODIPHENYLMETHANE-COPPER ETHYLACETOACETATE, Reagents, Spot tests, Determination, Cyanogen. See CYANOGEN, Determination, Spot tests, Reagents, Copper ethylacetoacetate-Tetramethyldiaminodiphenylmethane

TETRAMETHYLDIAMINOPHENYLMETHANE-COPPER ETHYLACETOACETATE, Reagents, Spot tests, Determination, Hydrocyanic acid. See HYDROCYANIC ACID, Determination, Spot tests, Reagents, Copper ethylacetoacetate-Tetramethyldiaminophenylmethane

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1,1,4,4-TETRAMETHYL-6-ETHYL-7-ACETYL-1-1,2,3,4-TETRAHYDRONAPHTHALENE. See VERSALIDE

TETRAMETHYL LEAD, Air pollution. See AIR POLLUTION, Tetramethyl lead

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- BED LINEN
- CARDING
- CARPETS
- COMBING
- CORDAGE
- CORDS
- COTTON
- FABRICS
- JUTE
- KNITTING
- MAN-MADE FIBRES
- SEWING
- WOOL
- YARNS

TEXTILES-SUBHEADINGS-Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Education
Research
Bibliographies
Information services

Problems
    Pests

Properties
    Colour
    Chemistry
    Moisture content

Chemicals

Technical activities
    Manufactures
        Factories
        Finishing
        Bleaching
        Dyeing
            Dyes
    Packaging
    Transport

Types of textiles
    By process
        Dyed
    By material
        Cellulosic

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BUSES, Transport, Walsall

WALTHAMSTOW
See
WATER, Engineering, Waltham Forest, Walthamstow

WALTON (Nova Scotia)
See
BARITE, Deposits, Walton (Nova Scotia)

WALTON-ON-THAMES
See
TOWN HALLS, Walton & Weybridge

WANDSWORTH
See
FLATS, Wandsworth

WANEY-EDGED HARDWOODS, Board. See BOARD, Hardwoods, Waney-edged

WANKEL ENGINES. See ENGINES, Rotary

WANKEL ENGINES, Motor cars. See MOTOR CARS, Engines, Rotary

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WAREHOUSES, Storage, Frozen bakery products. See BAKERY PRODUCTS, Frozen, Storage, Warehouses

WAREHOUSES, Storage, Glass. See GLASS, Storage, Warehouses

WAREHOUSES, Storage, Groceries. See GROCERIES, Warehouses

WAREHOUSES, Storage, Rubber. See RUBBER, Storage, Warehouses

WAREHOUSES, Storage, Soft drinks. See DRINKS, Soft, Warehouses

WAREHOUSES, Storage, Spare parts, Motor cars. See MOTOR CARS, Spare parts, Warehouses

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WARM AIR, Heating, Houses. See HOUSES, Heating, Warm air

WARM AIR, Heating, Workshops, Airless spraying, Paint, Underbodies, Railways, Rolling stock. See ROLLING STOCK (Railways) Underbodies, Paint, Spraying, Airless, Workshops, Heating, Warm air

WARM AIR, Oil-fired heating, Depots, Locomotive maintenance. See LOCOMOTIVES, Maintenance, Depots, Heating, Oil-fired, Warm air

WARM AIR, Oil-fired heating, Foundries, Packaging machine manufactures. See PACKAGING, Machines, Manufactures, Foundries, Heating, Oil-fired, Warm air

WARM AIR, Oil fired heating, Hangars, Aircraft manufactures. See AIRCRAFT, Manufactures, Hangars, Heating, Oil fired, Warm air

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WARP BREAKAGE, Weaving, Man-made fibres, Fabrics. See FABRICS, Man-made fibres, Weaving, Warp breakage

WARP KNIT DOUBLE JERSEY FABRICS. See JERSEY FABRICS, Double, Warp knit

WARP KNIT FABRICS. See FABRICS, Warp knit

WARP KNIT FABRICS, Furnishings. See FURNISHINGS, Fabrics, Warp knit

WARP KNIT FABRICS, Swimwear. See SWIMWEAR, Fabrics, Warp knit

WARP KNIT PILE FABRICS. See FABRICS, Pile, Warp knit

WARP KNITTING. See KNITTING, Warp

WARPING, Worsted, Yarns. See YARNS, Worsted, Warping

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ASSAULT CRAFT
CORVETTES
CRUISERS
DESTROYERS
FRIGATES
GUNBOATS
PATROL BOATS
SUBMARINES

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COUNTY OFFICES, Warwickshire

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LAUNDERING

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WASHING, Motor cars. See MOTOR CARS, Washing

WASHING, Motor coaches. See MOTOR COACHES, Washing

WASHING, Motor vehicles. See MOTOR VEHICLES, Washing

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REFUSE

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WASTE, Coal mining. See COAL, Mining, Waste

WASTE, Cotton. See COTTON, Waste

WASTE, Food. See FOOD, Waste

WASTE, Nuclear reactors. See NUCLEAR REACTORS, Wastes

WASTE, Paper. See PAPER, Waste

WASTE, Paper, Printing. See PRINTING, Paper, Waste

WASTE, Refining, Petroleum. See PETROLEUM, Refining, Waste

WASTE, Wood, Firing, Cyclone furnaces, Boilers, Wood furniture manufactures. See FURNITURE, Wood, Manufactures, Boilers, Furnaces, Cyclone, Wood waste fired

WASTE HEAT, Air conditioning, Office buildings. See OFFICE BUILDINGS, Air conditioning, Waste heat utilisation

WASTE HEAT, District heating. See DISTRICT HEATING, Waste heat

WASTE HEAT RECOVERY. See HEAT, Recovery

WASTE HEAT RECOVERY, Cooling, Fumes, LD, Oxygen process, Steel production. See STEEL, Production, Oxygen process, LD, Fumes, Cooling, Waste heat recovery

WASTE HEAT RECOVERY, Exhaust, Diesel engines. See DIESEL ENGINES, Exhaust, Waste heat recovery

WASTE HEAT RECOVERY, Gas turbines, Alternators. See ALTERNATORS, Gas turbines, Waste heat recovery

WASTE HEAT RECOVERY, LD oxygen process, Steel production. See STEEL, Production, Oxygen process, LD, Waste heat recovery

WASTE HEAT RECOVERY, Power stations. See POWER STATIONS, Heat recovery

WASTE HEAT RECOVERY, Steel production. See STEEL, Production, Waste heat recovery

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WASTE PRODUCTS

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WATCHES, Self-winding

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WATCHES, Testing, Equipment, Manufactures, Factories, Architecture

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WATCHES, Timing equipment

Timegrapher model P-61. R. Good. Horological J., 108 (Dec 65) p.12-15. il.

WATER

Related Headings:

AQUEOUS
CONDENSATE
FEEDWATER
GROUND WATER
HYDROLOGY
ICE
MOISTURE
SEA, **Water**
SOLUTIONS, Aqueous
STEAM

WATER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*
- Physical properties
  - Motion
    - *Waves*
    - *Flow*
      - *Vortices*
      - *Cavitation*
      - *Jets*
  - Heat, Transfer
    - *Convection*
  - Electrical properties
    - *Sub-millimetre wave frequency absorption*
    - *Sub-millimetre wave frequency dispersion*
- Chemical properties
  - *Absorption*
  - *Carbon dioxide absorption*
  - *Chlorine absorption*

- Constituents
  - *Gases*

- Technical activities
  - Analysis
    - *Determination of...*
  - *Engineering*
    - *Valves*
    - *Pumping*
      - *Pumps*
    - *Purification*
      - *Filtration*
        - *Filters*
      - *Iron removal*
      - *Softening*
      - *Coagulation*
    - *Extraction*
    - *Reclamation*
  - Distribution
    - *Pipes*
      - *Mains*
      - *Pipelines*
    - *Storage*
      - *Tanks*
      - *Towers*

WATER–SUBHEADINGS–Synopsis–cont.
- Technical activities–cont.
  - *Pollution*

- Use
  - *Resources*
    - *Wells*
    - *Boreholes*
    - *Catchment areas*
  - *Supplies*
  - *Conservation*
  - *Equipment*
    - *Fittings*

  - Particular uses
    - Power Generation
      - *Turbines*
    - *Heating*
      - *Heaters*
    - *Cooling media*

- Forms of water
  - *Drops*
  - *Vapour*

- Kinds of water by property or use
  - *Boiling*
  - *Distilled*
  - *High purity*
  - *Drinking*
  - *Industrial*
  - *Saline*

WATER, Absorption, Bricks. See BRICKS, Water absorption

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WAVEMETERS

Related Headings:

LECHER WIRES

WAVES, Air cushions, Hovercraft. See HOVERCRAFT, Air cushions, Waves

WAVES, Bed, Alluvial channels, Watercourses. See WATERCOURSES, Channels, Alluvial, Waves, Bed

WAVES, Carrier, Frequency division multiplex, Telephony. See TELEPHONY, Multiplex, Frequency division, Carrier waves

WAVES, Carrier, H.F. communications, Radio. See RADIO, Communications, H.F., Carrier waves

WAVES, Channels, Watercourses. See WATERCOURSES, Channels, Waves

WAVES, Effect on accelerations, Motor boats. See BOATS, Motor, Accelerations, Effect of waves

WAVES, Effect on buoyancy, Ships. See SHIPS, Buoyancy, Effect of waves

WAVES, Effect on carbon dioxide absorption, Water. See WATER, Carbon dioxide absorption, Effect of waves

WAVES, Electromagnetic. See ELECTROMAGNETIC WAVES

WAVES, Electromagnetic, Propagation, Power transmission lines. See POWER TRANSMISSION LINES, Wave propagation

WAVES, Internal, Stratified liquids. See LIQUIDS, Stratified, Waves, Internal

WAVES, Plasmas. See PLASMAS, Waves

WAVES, Ports. See PORTS, Waves

WAVES, Propagation, Helical springs. See SPRINGS, Helical, Wave propagation

WAVES, Radio. See RADIO, Waves,

WAVES, Sea. See SEA, Waves

WAVES, Sea, Hovercraft. See HOVERCRAFT, Sea, Waves

WAVES, Ships. See SHIPS, Waves

WAVES, Shock. See SHOCK WAVES

WAVES, Shock, Effect on colour centres, Potassium bromide. See POTASSIUM BROMIDE, Colour centres, Effect of shock waves

WAVES, Shock, Effect on colour centres, Salt. See SALT, Colour centres, Effect of shock waves

WAVES, Shock, Exhaust systems, Engines, Motor vehicles. See MOTOR VEHICLES, Engines, Exhaust systems, Shock waves

WAVES, Shock, Gas–solid systems. See GAS–SOLID SYSTEMS, Shock waves

WAVES, Shock, Hypersonic flow, Fluids. See FLUIDS, Flow, Hypersonic, Shock waves

WAVES, Shock, Intakes, Turbojets. See TURBOJETS, Intakes, Shock waves

WAVES, Shock, Loading, Beams. See BEAMS, Shock loading

WAVES, Shock, Loading, Rectangular plates. See PLATES, Rectangular, Shock loading

WAVES, Shock, Nitrous oxide. See NITROUS OXIDE, Shock waves

WAVES, Solitary, Liquids. See LIQUIDS, Waves, Solitary

WAVES, Spinning, Coupling, Transverse oscillations, Shock waves, Shock tubes. See SHOCK TUBES, Shock waves, Transverse oscillations, Coupling, Spinning waves

WAVES, Spinning, Detonation, Square pipes. See PIPES, Square, Detonation, Spinning waves

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WAX, Paraffin, Lubrication, Yarns, Hosiery. See HOSIERY, Yarns, Lubrication, Paraffin wax

WAX, Patterns, Investment casting. See CASTING, Investment, Patterns, Waxes

WAX, Petroleum. See PETROLEUM, Wax

WAX COATED CARTONS. See CARTONS, Coated, Wax

WAX COATED PAPERS, Packaging. See PACKAGING, Papers, Wax coated

WAXES, Polishes. See POLISHES, Waxes

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GUNS

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EROSION

PITTING

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WEAR, Ball bearings. See BEARINGS, Ball,

WEAR, Cutters, Machine tools. See MACHINE TOOLS, Cutters, Wear
WEAR, Diamonds. See DIAMONDS, Wear
WEAR, Diesel engines, Ships. See SHIPS, Diesel engines, Wear
WEAR, Electroplated electrical contacts. See CONTACTS, Electrical, Electroplated, Wear
WEAR, Graphite. See GRAPHITE, Wear
WEAR, Laundering, Cotton, Fabrics. See FABRICS, Cotton, Laundering, Wear
WEAR, Magnesite, Furnaces, Rotor oxygen process, Steel production. See STEEL, Production, Oxygen process, Rotor, Furnaces, Magnesite, Wear
WEAR, Piston rings, Diesel engines. See DIESEL ENGINES, Piston rings, Wear
WEAR, Precious metals, Electroplated sliding contacts. See CONTACTS, Electrical, Sliding, Electroplated, Precious metals, Wear
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WEATHER. See METEOROLOGY
WEATHER, Effect on archaeological glass, See GLASS, Archaeology, Effect of weather
WEATHER DOPPLER RADAR. See RADAR, Doppler (Weather)
WEATHER PROTECTED ELECTRIC MOTORS. See ELECTRIC MOTORS, Weather protected
WEATHER SHIPS. See SHIPS, Weather
WEATHERING, Coated steel. See STEEL, Coated Weathering
WEATHERING, Effect on carbon dioxide sorption, Coal. See COAL, Carbon dioxide sorption, Effect of weathering
WEATHERING, Effect on methane sorption, Coal. See COAL, Methane sorption, Effect of weathering
WEATHERING, Fibres, Wool. See WOOL, Fibres, Weathering
WEATHERING, Polyester–Glass fibre. See POLYESTER–GLASS FIBRE, Weathering
WEATHERING, Soda–Lime–Silica glass. See GLASS, Soda–Lime–Silica, Weathering
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LOOMS

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WEAVING, Cotton, Fabrics. See FABRICS, Cotton, Weaving
WEAVING, Courtelle fabrics, Clothing. See CLOTHING, Fabrics, Courtelle, Weaving
WEAVING, Elastic fabrics. See FABRICS, Elastic, Weaving
WEAVING, Harris tweeds. See TWEEDS, Harris, Weaving
WEAVING, Man-made fibres, Fabrics. See FABRICS, Man-made fibres, Weaving
WEAVING, Open-work fabrics. See FABRICS, Open-work, Weaving
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WEB-OFFSET LITHOGRAPHY, Paperback books. See BOOKS, Paperback, Printing, Lithography, Web-offset
WEB-OFFSET LITHOGRAPHY, Printing, Newspapers. See NEWSPAPERS, Printing, Lithography, Web-offset
WEB PLATES, Girders. See GIRDERS, Plates, Web
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WEDGE PENETRATION, Tensile strength, Grey iron. See IRON, Grey, Tensile strength, Wedge penetration
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WEIGHTS, Iron, Grey, Wheels, Tractors. See TRACTORS, Wheels, Weights, Iron, Grey

WEIR MULTICOM SYSTEM, Prefabricated houses. See HOUSES, Prefabricated, Weir Multicom system

WEIRS, Proportional flow measurement, Water. See WATER, Flow, Measurement, Weirs, Proportional flow

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WELDED CASTINGS, Machinery components. See MACHINERY, Components, Castings, Welded

WELDED CASTINGS, Steel. See STEEL, Castings, Welded

WELDED FREE MACHINING STEEL. See STEEL, Free machining, Welded

WELDED HEAT EXCHANGERS, Nuclear power stations. See NUCLEAR POWER STATIONS, Heat exchangers, Welded

WELDED HIGH TENSILE STEEL, Plates. See PLATES, Steel, High tensile, Welded

WELDED LOW ALLOY STEEL. See STEEL, Low alloy, Welded

WELDED LOW ALLOY STEEL, Plates, Pressure vessels, Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled, Pressure vessels, Plates, Steel, Low alloy, Welded

WELDED METALS, Connecting rods, Internal combustion engines. See ENGINES (Internal combustion) Connecting rods, Metals, Welded

WELDED METALS, Pipes. See PIPES, Metal, Welded

WELDED MILD STEEL. See STEEL, Mild, Welded

WELDED MILD STEEL, Plates. See PLATES, Steel, Mild, Welded

WELDED MILD STEEL, Structures. See STRUCTURES, Steel, Mild, Welded

WELDED PRESSURE VESSELS. See PRESSURE VESSELS, Welded

WELDED STEEL. See STEEL, Welded

WELDED STEEL, Bases, Grinding machines. See GRINDING, Machines, Bases, Steel, Welded

WELDED STEEL, Chains. See CHAINS, Steel, Welded

WELDED STEEL, Frames, Buildings. See BUILDINGS, Frames, Steel, Welded

WELDED STEEL, Frames, Engineering laboratories. See ENGINEERING, Laboratories, Frames, Steel, Welded

WELDED STEEL, Hatch covers, Ships. See SHIPS, Hatch covers, Steel, Welded

WELDED STEEL, Machine tool structures. See MACHINE TOOLS, Structures, Steel, Welded

WELDED STEEL, Pipes. See PIPES, Steel, Welded

WELDED STEEL, Plates, Decks, Ships. See SHIPS, Decks, Plates, Steel, Welded

WELDED STEEL, Plates, Decks, Tankers. See TANKERS, Ships, Decks, Plates, Steel, Welded

WELDED STEEL, Plates, Reinforced concrete, Linings, Shafts, Coal mining. See COAL, Mining, Shafts, Linings, Concrete, Reinforced, Plates, Steel, Welded

WELDED STEEL, Plates, Sheer strakes, Ships. See SHIPS, Sheer strakes, Plates, Steel, Welded

WELDED STEEL, Plates, Ships. See SHIPS, Plates, Steel, Welded

WELDED STEEL, Shells, Kilns, Cement. See CEMENT, Kilns, Shells, Steel, Welded

WELDED STEEL, Stringer plates, Ships. See SHIPS, Stringer plates, Steel, Welded

WELDED STEEL, Strips. See STRIPS, Steel, Welded

WELDED STEEL, Structures. See STRUCTURES, Steel, Welded

WELDED STEEL, Tanks, Storage, Petroleum. See PETROLEUM, Storage, Tanks, Steel, Welded

WELDED STEEL–NICKEL. See STEEL–NICKEL, Welded

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WELDING
Related Headings:
ELECTRON BEAM WELDING
ULTRASONICS, Welding

WELDING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*
- *Education*

- Problems
  - *Cracks*
  - *Creep*
  - *Industrial health*

- Equipment
  - *Control systems*
  - *Machines*
  - *Workshops*
- Technical activities
  - *Inspection*
  - *Planishing*

- Kinds of welding
  - *Butt*
  - *Fillet*
  - *Seam*
  - By heat source
    - Electric
      - *Arc*
        - *Plasma arc*
        - *Stud*
        - *Electroslag*
      - *Resistance*
        - *Spot*
    - *Friction*
  - *Pressure*

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WELDING, Arc, Aluminium. See ALUMINIUM, Welding, Arc

WELDING, Arc, Aluminium, Pipelines. See PIPELINES, Aluminium, Welding, Arc

WELDING, Arc, Aluminium, Sheets. See SHEETS, Aluminium, Welding, Arc

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New ways with MIG welding. P. F. Woods. Metalworking Production, 110 (9 Feb 66) p.66-8. il.

WELDING, Arc, Carbon dioxide shielded, Backing bars
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WELDING, Arc, Carbon dioxide shielded, Electrodes
Recent developments in the CO_2 flux process using fabricated wire. J. R. Cossmann & H. B. Cary. Brit. Welding J., 13 (May 66) p.277-86. il.

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Note on the removal of gas porosity in copper wire-bars by hot rolling. S. Harper. J. of Inst. of Metals, 94 (Feb 65) p.70-2. il. ref.

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Production of copper wire rod by dip-forming, pt. 1. Engineer, 222 (7 Oct 66) p.543-4. il.

Production of copper wire rod by dip-forming, pt.2. Engineer, 222 (14 Oct 66) p.578-9. il.

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Diamond dies—a tool becomes a product [Philips Company, Holland] R. Sharp. Industrial Diamond Rev., 26 (Nov 66) p.478-82. il.

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Diamond powder is still needed for laser-pierced dies [Western Electric Co., U.S.A.] Industrial Diamond Rev., 26 (Aug 66) p.341-3. il.

Using lasers to drill diamond dies [Western Electric, Buffalo] Wire Industry, 33 (Jul 66) p.683-4. il.

WIRES, Drawing, Dies, Diamond, Drilling, Ultrasonics

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WIRES, Drawing, Dies, Diamond, History

History of diamond drawing dies and wire-drawing. Pt.5: British Diamond Die Federation. W. J. Clements. Wire Industry, 33 (Jan 66) p.65-8

History of diamond drawing dies and wire-drawing. Pt.6: consolidation work by the Die Federation. W. J. Clements. Wire Industry, 33 (Feb 66) p.169-71

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WIRES, Drawing, History

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WIRES, Drawing, Ultrasonics

Influence of ultrasonic vibration on metallic friction. R. Pohlman & E. Lehfeldt. Ultrasonics, 4 (Oct 66) p.178-85. il. refs.

WIRES, Electronic conductors. See CONDUCTORS, Electronics, Wires

WIRES, Fences. See FENCES, Wire

WIRES, Galvanising, Hot dip

New galvanizing plant in Manchester: special facilities for galvanizing wirework [Manchester Galvanizing Ltd.] Wire Industry, 33 (Apr 66) p.365-6. il.

WIRES, Guard, Electrical insulation testing. See INSULATION, Electrical, Testing, Guard wires

WIRES, Heating, Textured filament nylon yarns manufactures. See YARNS, Nylon, Filament, Textured, Manufactures, Heating, Wires

WIRES, Insulated, Stripping

Wire stripping practice. B. S. King. Design Electronics, 3 (Mar 66) p.26+. il.

WIRES, Lead, Vacancies, Resistivity

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WIRES, Mesh, Reinforced concrete. See CONCRETE, Reinforced, Mesh, Wire

WIRES, Mesh, Reinforced concrete, Roads. See ROADS, Concrete, Reinforced, Mesh, Wire

WIRES, Mesh, Screens, Shock tubes. See SHOCK TUBES, Screens, Mesh, Wires

WIRES, Nickel, Electric heating, Vacuum chambers. See VACUUM, Chambers, Heating, Electric, Wires, Nickel

WIRES, Nickel alloys, Penetrant flaw testing, Dyes, Fluorescent

Automated fluorescent penetrant inspection of wire, pt.1. T. J. Baugh. Metals, 1 (Jun 66) p.52-3. il.

WIRES, Nickel alloys, Testing, Eddy current

Quality control of nickel-based alloys: automated eddy current testing of wire and tube, pt.2. T. J. Baugh. Metals 1 (Jul 66) p.46-7. il.

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Superconducting coils using composite stranded cables. D. N. Cornish. J. of Scientific Instruments, 43 (Jan 66) p.16-20. il. refs.

WIRES, Outer layer, Electrical conductors. See CONDUCTORS, Electrical, Outer layer, Wires

WIRES, Papermaking machines. See PAPERMAKING, Machines, Wires

WIRES, Platinum—Rhodium, Emissivity, Hemispherical

Total hemispherical emittance of coated wires. D. Bradley & A. G. Entwistle. Brit. J. of Applied Physics, 17 (Sep 66) p.1155-64. il. refs.

WIRES, Prestressed, Frames Diaphragm punch power presses. See PRESSES, Power (Diaphragm punch) Frames, Wires, Prestressed

WIRES, Products, Coating, Vinyl polymers

Plastic coating of wirework [Michigen Chrome & Chemical Co.] Wire Industry, 33 (Nov 66) p.1077-8. il.

WIRES, Reels, Polystyrene

Toughened polystyrene reels for wire. W.J. Busby. Plastics, 31 (Oct 66) p.1289-90. il.

WIRES, Semiconductors, Diodes. See DIODES, Semiconductors, Wires

WIRES, Stainless steel, Reinforced aluminium. See ALUMINIUM, Reinforced, Stainless steel wires

WIRES, Steel

Metallurgist in the steel wire industry. B. Gleave. Wire Industry, 33 (Jul 66) p.669+. il.

Metallurgist in the steel wire industry, pt. 2. B. Gleave. Wire Industry, 33 (Aug 66) p.769+. il.

WIRES, Steel, Aluminising, Hot dip

Hot dipped aluminised wire. J. H. Nicholls. Wire Industry, 33 (Sep 66) p.865+. il. refs

WIRES, Steel, Annealing, Lead, Molten, Industrial health

Preventing lead poisoning in patenting shops. S. Komura. Wire Industry, 33 (Jul 66) p.685+. il.

WIRES, Steel, Coating, P.V.C.

Coating ferrous wires with PVC. A. Ball. Wire Industry, 33 (Aug 66) p.757+

WIRES, Steel, Drawing, Cold, Dies (Inserts, Alumina, Sintered) Strength

Design of a composite drawing die with a brittle insert. A. P. Green & P. R. Lancaster. International J. of Mechanical Sciences, 8 (Apr 66) p.281-94. il. refs.

WIRES, Steel, Heat treatment, Furnaces, Gas-fired

Wire production needs specialist equipment. E. Ford. Gas J., 325 (5 Jan 66) suppt. p.4-6. il.

WIRES, Steel, Joints, Compression, Fatigue.

Fatigue behaviour of sleeved and swaged joints in 0.2-in-diameter high tensile steel wire. M. S. G. Cullimore. Structural Engr., 44 (Aug 66) p.269-70. il. refs.

WIRES, Steel, Manufactures
High carbon wire manufactures in Australia: manufacturing methods employed by Rylands Bros. Pty Ltd. A. W. Hird. Wire Industry, 33 (Jan 66) p.59+. il.

WIRES, Steel, Martensitic, Fracture, Intergranular, Water
Electrochemical study of the cracking of stressed high-strength, low-alloy martensitic steels in water. H. Yamaoka & G. Wranglén. Corrosion Science, 6 (Mar/Apr 66) p.113-27. il. refs.

WIRES, Steel, Mild, Brittleness, Blue, Tensile tests
Blue-brittle behaviour of mild steel. J.S. Blakemore & E. O. Hall. J. of Iron & Steel Inst., 204 (Aug 66) p.817-20. refs.

WIRES, Steel, Products
Skeletonized wire products can cut fabricating costs to the bone. Metalworking Production, 110 (8 Jun 66) p.68-71. il.

WIRES, Steel, Quality control
Quality control in the plain carbon steel wire industry. B. Gleave. Mass Production, 42 (Feb 66) p.37-47. il.

WIRES, Steel, Quenched (Lead, Molten) Microstructure
Structure of heavily cold drawn eutectoid steel. M. A. P. Dewey & G. W. Briers. J. of Iron & Steel Inst., 204 (Feb 66) p.102-3. il. refs.

WIRES, Steel, Reinforced aluminium alloys. See ALUMINIUM, Alloys, Reinforced, Wires, Steel

WIRES, Steel, Rimming, Strain ageing, Effect of nitrogen
Strain aging in carbon-saturated ferrite with various nitrogen contents. A. Josefsson & B. Backstrom. Iron & Steel, 39 (Feb 66) p.43-9. il. refs.

WIRES, Steel, Strain hardening
Distribution of hardness in the cross-section of steel wires. Br. Kunda. Wire Industry, 32 (Dec 65) p.1178-82. il. refs.

WIRES, Steel, Stress relieving, Brittleness
Brittleness of high carbon steel wire after stress relieving. S. Komura. Wire Industry, 33 (Mar 66) p.259-61. il. refs.
Brittleness of high carbon steel wire after stress relieving, pt. 2. S. Komura. Wire Industry, 33 (Apr 66) p.367-8. il. refs.

WIRES, Storage, Warehouses, Communications
Stores communication system.... cuts handling [Hall & Goulding Ltd.] Metalworking Production, 110 (23 Mar 66) p.54. il.

WIRES, Surfaces, Elastic limit, Determination, Electrochemical
Determination of the surface elastic limit in metals. A. Taub, E. Uygur & S. Dirnfeld. Applied Materials Research, 5 (Apr 66) p.76-80. il. refs.

WIRES, Tungsten, Nickel absorption, Studies, Electron microscopy, Field emission
Arrangement of atoms in the first monolayer of nickel on tungsten. J. P. Jones. Nature, 211 (30 Jul 66) p.479-81. il. refs.

WIRES, Tungsten, Reinforced nickel alloys. See NICKEL, Alloys, Reinforced, Wires, Tungsten

WIREWOUND RESISTORS. See RESISTORS, Wirewound

WIRING, Electronic circuits. See CIRCUITS, Electronics, Wiring

WISBECH
See
TOWN PLANNING, Wisbech

WITHERING, Shoots, Tea. See TEA, Shoots, Withering

WITTMANN TAILWIND LIGHT AIRCRAFT. See AIRCRAFT (Light) Types, Wittmann Tailwind

WOBBE INDEX, Town gas. See GAS (Town) Wobbe index

WOBBLE, Artificial satellites. See SATELLITES, Artificial, Wobble

WOKING
See
CHURCHES, Woking

WOKINGHAM
See
COUNCIL OFFICES, Wokingham

WOLLASTINITE, Deposits
Mexican wollastinite deposit. R. Lawton. Ceramics, 17 (Sep 66) p.18

WOLVERHAMPTON
See
FLATS, Wolverhampton
NATIONAL FOUNDRY COLLEGE, Wolverhampton
RAILWAYS, Stations, Wolverhampton
TOWN PLANNING, Wolverhampton

WOLVERTON
See
TOWN PLANNING, Wolverton

WOMEN, Technologists. See TECHNOLOGISTS, Women

WONGAN HILLS
See
RAILWAYS, Stations, Wongan Hills

WOOD
Related Headings:
AFRICAN PTERYGOTA
AFZELIA
AMERICAN CEDAR
AUSTRALIAN SILKY-OAK
BALSAWOOD
BAMBOO
BIRCH
CORK
HARDWOODS
IDIGBO
INDIAN ROSEWOOD
JAPANESE ELM
NARGUSTA
OAK
PALDAO
QUEENSLAND MAPLE
SAWDUST

WOOD–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Permeability*
  - Chemistry
    - *Determination of. . . .*

- Technical activities
  - *Drying*
  - *Manufactures*
    - Cutting
      - *Saws*
      - *Curves*
    - *Rebating*
    - *Mortising*
    - *Moulding*
    - *Planing*
    - *Finishing*
      - *Sanding*
      - *Polishing*
      - *Painting*
        - *Paint*
        - *Graining*
  - *Preservation*
  - *Mechanical handling*
  - *Storage*
  - *Transport*

- Kinds of wood
  - *Indian*

WOOD–SUBHEADINGS–Synopsis–*cont.*

Products and byproducts
Chipboard

Applications
Building materials

WOOD, Beams. See BEAMS, Wood
WOOD, Boats. See BOATS, Wood
WOOD, Bodies, Commercial vehicles. See VEHICLES, Commercial, Bodies, Wood
WOOD, Bowling centre equipment. See BOWLING CENTRES, Equipment, Wood
WOOD, Boxes. See BOXES, Wood

WOOD, Building materials
Builder's softwood. Building, 211 (19 Aug 66) p.128+
Major developments in construction techniques. H. J. Burgess. Municipal Engng., 143 (25 Feb 66) p.403+. il.
Renaissance of timber. C. Hume. Industrial Architecture, 9 (Nov 66) p.551-5. il.
Timber: shape of things to come. H. J. Burgess. Industrial Architecture, 9 (Nov 66) p.557-9. il.
Versatility and flexibility of timber construction. B. G. Brown. Municipal Engng., 143 (25 Feb 66) p.409+

WOOD, Building materials, Preservation
Maintenance of interior and exterior woodwork. W. H. Hale. Municipal Engng., 143 (25 Feb 66) p.407+. il.
Protection of timber on building sites and in new buildings. C. Kirby. National Builder, 47 (Sep 66) p.761-4. il.
Remedial treatment of timber in situ. W. E. Bruce. Municipal Engng., 143 (25 Feb 66) p.415+. il.

WOOD, Building materials, Regulations
How the new regulations affect timber structures. R. Fitt. Municipal Engng., 143 (25 Feb 66) p.417+

WOOD, Building materials, Rot
Stopping the rot. P.L.G. Bateman. Painting & Decorating, 86 (Oct 66) p.22+. il.
Treating fungal decay in timbers. M. J. Warde. Municipal J., 74 (11 Nov 66) p.3706-7. il.

WOOD, Building materials, Stress grading
Stress grading of softwoods. R. W. Wands. Building Technology & Management, 4 (Sep 66) p.12

WOOD, Building materials, Testing
Testing of timber structures. W. T. Curry. Building, 210 (15 Apr 66) p.147-8. il.

WOOD, Ceilings, Swimming baths. See SWIMMING BATHS, Ceilings, Wood

WOOD, Chipboard
Wood chipboard: data sheet. Insulation, 10 (Jul/Aug 66) p.189-90

WOOD, Chipboard, Prefabricated building components. See BUILDINGS, Prefabricated, Components, Wood, Chipboard

WOOD, Chipboard, Production, Adhesives, Synthetic resins
Resin adhesives in wood chipboard—some comparative features. C. A. A. Rayner. Wood, 31 (Jul 66) p.41-4. il. refs.

WOOD, Chipboard, Veneering
Surfacing wood chipboard—points to watch, pt.1. L.E. Akers. Woodworking Industry, 23 (Oct 66) p.25-6. il.

WOOD, Church components. See CHURCHES, Components, Wood
WOOD, Churches. See CHURCHES, Wood
WOOD, Clubhouses (Sailing) See SAILING, Clubhouses, Wood
WOOD, Coffins. See COFFINS, Wood

WOOD, Curves, Cutting
Better ways to cut rebates and rounds. E. Stephenson. Woodworking Industry, 23 (Feb 66) p.26-7. il.

WOOD, Determination of salt, Test paper
Test-paper for the detection of chloride in wood. L. C. Pinion. Wood, 31 (Jul 66) p.39-40. il.

WOOD, Distillation
Related Headings:
CHARCOAL

WOOD, Doors. See DOORS, Wood
WOOD, Drawers. See DRAWERS, Wood

WOOD, Drying
Satisfactory kilning and movement of timber. W.H. Brown. Woodworking Industry, 23 (Sep 66) p.21-2

WOOD, Ellipses. See ELLIPSES, Wood
WOOD, Exhibition buildings. See EXHIBITION BUILDINGS, Wood
WOOD, Farm buildings. See FARM BUILDINGS, Timber

WOOD, Finishing
Wood finishing for the trade finisher. M. Reeves. Product Finishing, 19 (Feb 66) p.85-8. il.

WOOD, Finishing, Lacquers
Natural finish — oak: architectural data sheet no. 2. J. W. Collier. Woodworking Industry, 23 (Apr 66) p.39+

WOOD, Finishing, Lacquers, Spraying
This research report needs following up ["The reduction of lacquer waste in spraying"] J. W. Collier. Woodworking Industry, 23 (Jan 66) p.35

WOOD, Finishing, Machines
Graining and painting by machine [Cellon Division of Pinchin Johnson and Associates Ltd.] Industrialised Building, 3 (Jul 66) p.29+. il.

WOOD, Finishing, Melamine–Shellac
Heat and water proof shellac finish for wood. S. Kumar. Paint Technology, 30 (Feb 66) p.16+. il. refs.

WOOD, Finishing, Spraying
Spraying troubles: tracing faults, finding remedies. B. E. Finch. Woodworking Industry, 23 (Apr 66) p.25-6. il.

WOOD, Finishing, Spraying, Control systems
Spraying mechanisation systems. R. J. Pyatt. Woodworking Industry, 23 (Apr 66) p.27+. il.

WOOD, Finishing, Spraying, Equipment
Spraying equipment review. Woodworking Industry, 23 (May 66) p.35-6. il.

WOOD, Finishing, Varnishes, Exposure tests
Varnish holding properties of timber. K. L. Jones. J. of Oil & Colour Chemists' Ass., 49 (Apr 66) p.314-39. il. refs.

WOOD, Fittings, Retail shops. See SHOPS, Retail, Fittings, Wood
WOOD, Flat roofs. See ROOFS, Flat, Timber
WOOD, Floors. See FLOORS, Timber
WOOD, Floors, Commercial vehicles. See VEHICLES, COMMERCIAL, Floors, Timber
WOOD, Flush doors. See DOORS, Flush, Wood
WOOD, Folded plates, Roofs, University buildings. See UNIVERSITY BUILDINGS, Roofs, Plates, Folded, Timber
WOOD, Frames, Bodies, Commercial vehicles. See VEHICLES, Commercial, Bodies, Frames, Wood
WOOD, Frames, Bungalows. See BUNGALOWS, Frames, Wood
WOOD, Frames, Houses. See HOUSES, Frames, Wood
WOOD, Frames, Housing. See HOUSING, Frames, Wood
WOOD, Frames, Windows. See WINDOWS, Frames, Wood

WOOD, Fungi
Related Headings:
DRY ROT

WOOD, Furniture. See FURNITURE, Wood
WOOD, Furniture, Bedrooms. See BEDROOMS, Furniture, Wood
WOOD, Furniture, Cathedrals. See CATHEDRALS, Furniture, Wood
WOOD, Furniture, Kitchens. See KITCHENS, Furniture, Wood

WOOD, Graining, Machines

Printing imitation wood grain patterns—on wood [Cellon Graining Process] Paper & Print, 39 (Summer 66) p.89-90. il.

WOOD, Guitars. See GUITARS, Wood

WOOD, Handrails, Staircases. See STAIRCASES, Handrails, Wood

WOOD, Heads, Jetties. See JETTIES, Heads, Wood

WOOD, House components. See HOUSES, Components, Wood

WOOD, Houses. See HOUSES, Wood

WOOD, Housing. See HOUSING, Wood

WOOD, Housing components. See HOUSING, Components, Wood

WOOD, Hulls, Patrol boats. See PATROL BOATS, Hulls, Timber

WOOD, Hyperbolic paraboloid shell roofs, Churches. See CHURCHES, Roofs, Shell, Hyperbolic paraboloid, Timber

WOOD, Hyperbolic paraboloid shell roofs, Railway stations. See RAILWAYS, Stations, Roofs, Shell, Hyperbolic paraboloid, Timber

WOOD, Indian, Planing, Surface finish

Studies of the surface finish obtained in planing Indian timbers. N. C. Jain & B. S. Rawat. Woodworking Industry, 23 (Mar 66) p.31-2. il. refs.

WOOD, Interior decoration, Churches. See CHURCHES, Interior decoration, Wood

WOOD, Interior decoration, County offices. See COUNTY OFFICES, Interior decoration, Wood

WOOD, Interior decoration, Office buildings. See OFFICE BUILDINGS, Interior decoration, Wood

WOOD, Interior decoration, Offices, Architects. See ARCHITECTS, Offices, Interior decoration, Wood

WOOD, Interior decoration, Old people's housing. See HOUSING, Old people, Interior decoration, Wood

WOOD, Interior decoration, Retail shops. See SHOPS, Retail, Interiors, Decoration, Wood

WOOD, Interior decoration, Stables, Conversion to houses. See HOUSES, Conversion from stables, Interior decoration, Wood

WOOD, Joinery. See JOINERY, Wood

WOOD, Laminated. See LAMINATES, Wood

WOOD, Laminated, Bridges. See BRIDGES, Wood, Laminated

WOOD, Laminated, Churches. See CHURCHES, Wood, Laminated

WOOD, Laminated, Hangars, Airports. See AIRPORTS, Hangars, Timber, Laminated

WOOD, Laminated, Post office components. See POST OFFICES, Components, Timber, Laminated

WOOD, Laminated, Public houses. See PUBLIC HOUSES, Wood, Laminated

WOOD, Laminated, Roofs, Market buildings. See MARKETS, Buildings, Roofs, Timber, Laminated

WOOD, Laminated, Shielding, Neutrons, Nuclear reactors. See NUCLEAR REACTORS, Neutrons, Shielding, Wood, Laminated

WOOD, Lattice shell roofs, Churches. See CHURCHES, Roofs, Shell, Lattice, Timber

WOOD, Linings, Roads, Coal mining. See COAL, Mining, Roads, Linings, Wood

WOOD, Maisonettes. See MAISONETTES, Wood

WOOD, Manufactures

Related Headings:

- FIBRE BOARD
- HARDBOARD
- PLYWOOD
- VENEERING
- VENEERS

WOOD, Manufactures, Adhesives, Curing, Heating, Low voltage

Low voltage heating calculations. J. Pound. Wood, 31 (Feb 66) p.46-8. il.

WOOD, Manufactures, Adhesives, Curing, Heating, R.F.

Common shortcomings with R.F. heating. J. Pound. Wood, 31 (Mar 66) p.45-7. il.

Materials for RF heating. J. Pound. Wood, 31 (Sep 66) p.41-3. il.

RF heating for quality control. J. Pound. Wood, 31 (Jun 66) p.65-7. il.

Some basic facts on RF heating. J. Pound. Wood, 31 (Aug 66) p.43-5. il.

WOOD, Manufactures, Adhesives, Curing, Heating, R.F., Electrodes, Cleaning

Keeping R.F. electrodes clean. J. Pound. Wood, 31 (May 66) p.45-7. il.

WOOD. Manufactures, Adhesives, Curing, Heating, R.F., Generators, Constant power regulators

Constant power from R.F. generators. J. Pound. Wood, 30 (Dec 65) p.50-2. il.

WOOD, Manufactures, Adhesives (Curing, Heating, R.F.) Spreading

Glue spreading for RF heating. J. Pound. Wood, 31 (Oct 66) p.53-5. il.

WOOD, Manufactures, Adhesives, Curing, Pressure

Glue line pressures. J. Pound. Wood, 31 (Nov 66) p.41-3. il.

WOOD, Manufactures, Adhesives, P.V.A.

Water borne adhesives based on polyvinyl acetate. B. Dawkins, S. Hodgson & L. Tasker. Rubber & Plastics Age, 47 (Mar 66) p.289+

WOOD, Manufactures, Adhesives, Synthetic resin

Synthetic resin glues in the manufacture of composite boards. A. J. Bune. Machinery Lloyd (Overseas ed.) 37 (18 Dec 65) p.32-4. il.

WOOD, Manufactures, Hand tools, Electric

Power tools: each type has its advantages. D. P. Cloet. Woodworking Industry, 23 (Aug 66) p.19-20. il.

Power tools: improvements mean bigger savings for manufactures. D. P. Cloet. Woodworking Industry, 23 (Jun 66) p.31+

WOOD, Manufactures, Hand tools, Pneumatic

Power tools: each type has its advantages. D. P. Cloet. Woodworking Industry, 23 (Aug 66) p.19-20. il.

WOOD, Manufactures, Machines

Power tools: improvements mean bigger savings for manufactures. D. P. Cloet. Woodworking Industry, 23 (Jun 66) p.31+

Recent developments in complex woodworking machinery. P. H. Morris. Machinery Lloyd (Overseas ed.) 37 (18 Dec 65) p.25-7. il.

Searching for more progressive methods. D. Hollier. Woodworking Industry, 23 (Jul 66) p.21-3. il.

Woodworking machinery at The International Building Exhibition. Machinery Lloyd (Overseas ed.) 37 (18 Dec 65) p.35-9. il.

WOOD, Manufactures, Mechanical handling

Mechanisation of cross-cut, moulder lines. E. Stephenson. Woodworking Industry, 23 (Jul 66) p.24-8. il.

WOOD, Mechanical handling

Packaged timber brings a new look to handling and distribution. C. Hardie. Storage Handling Distribution, 9 (Dec 65) p.34-7. il.

Searching for more progressive methods. D. Hollier. Woodworking Industry, 23 (Jul 66) p.21-3. il.

WOOD, Mortising, Machines

Mortise chain gear: how a standard set operates. R. Adkins. Woodworking Industry, 23 (Aug 66) p.16-17. il.

WOOD, Mortising, Saws, Chain

Mortise chain gear: making and using special sets. R. Adkins. Woodworking Industry, 23 (Oct 66) p.33-4. il.

WOOD, Moulding, Machines

Development of planing and moulding machines. P. H. Morris. Woodworking Industry, 23 (Jun 66) p.26-8. il.

WOOD, Moulding, Splitting

Splitting on a moulder. E. Stephenson. Woodworking Industry, 23 (Sep 66) p.25-7. il.

WOOD, Nursery schools. See SCHOOLS, Nursery, Wood

WOOD, Observation posts, Bird watching. See BIRDS, Watching, Observation posts, Wood

WOOD, Paint, Priming, Pigments, Aluminium

Utilisation of aluminium pigment in wood primers. H. W. Chatfield. Paint Technology, 30 (Apr 66) p.25-7

WOOD, Paint, Priming, Pigments, Lead

Utilisation of aluminium pigment in wood primers. H. W. Chatfield. Paint Technology, 30 (Apr 66) p.25-7

WOOD, Paint, Spraying

Spray finishing: maintain equipment—reduce troubles. B. E. Finch. Woodworking Industry, 23 (Jun 66) p.29-30. il.

WOOD, Painting

Continuous painting of wooden surfaces. A. Turner. Wood, 31 (Feb 66) p.44-5. il.

WOOD, Painting, Substrate penetration

Interaction between paint and substrate. J. van Loon. J. of Oil & Colour Chemists' Ass., 49 (Oct 66) p.844-67. il.

WOOD, Panels, Buildings. See BUILDINGS, Panels, Wood

WOOD, Panels, Houses. See HOUSES, Panels, Wood

WOOD, Permeability, Moisture

Moisture movement and the permeability of wood. W. H. Brown. Woodworking Industry, 23 (May 66) p.30-1

Moisture movement and the permeability of wood, pt.2. W. H. Brown. Woodworking Industry, 23 (Jun 66) p.32-3

WOOD, Pipes, Water. See WATER, Pipes, Wood

WOOD, Planing, Machines

Development of planing and moulding machines. P. H. Morris. Woodworking Industry, 23 (Jun 66) p.26-8. il.

WOOD, Poles, Overhead power transmission lines. See POWER TRANSMISSION LINES, Overhead, Poles, Wood

WOOD, Polishing, Stains

Water and chemical stains have improved. C. W. Loftus. Woodworking Industry, 23 (Feb 66) p.25+

WOOD, Prefabricated building components. See BUILDINGS, Prefabricated, Components, Wood

WOOD, Prefabricated components, Housing. See HOUSING, Prefabricated, Components, Wood

WOOD, Prefabricated housing. See HOUSING, Wood, Prefabricated

WOOD, Prefirred beams, Roofs. See ROOFS, Beams, Prefirred, Timber

WOOD, Preservation

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X-RAYS, Absorption, Ash analysis, Coal. See COAL, Ash, Analysis, X-ray absorption
X-RAYS, Absorption, Porosity measurement, Nickel, Electrodes. See ELECTRODES, Nickel, Porosity, Measurement, X-ray absorption
X-RAYS, Diffraction
Related Headings:
DEBYE-WALLER FACTOR
X-RAYS, Diffraction, Aluminium determination, Alumina. See ALUMINA, Determination of aluminium, X-ray diffraction
X-RAYS, Diffraction, Antiferromagnetic domain studies, Single crystals, Nickel oxide. See NICKEL OXIDE, Crystals, Single, Antiferromagnetic domains, Studies, X-ray diffraction

X-RAYS, Diffraction, Background errors
Background errors in x-ray diffraction parameters. G. B. Mitra & N. K. Misra. Brit. J. of Applied Physics, 17 (Oct 66) p.1319-28. il. refs.
X-RAYS, Diffraction, Body centred cubic iron. See IRON, Body centred cubic, X-ray diffraction
X-RAYS, Diffraction, Boron diffusion determination, Inclusions, Semiconductors, Silicon. See SILICON, Semiconductors, Inclusions, Boron diffusion, Determination, X-ray diffraction
X-RAYS, Diffraction, Burgers vector determination, Lomer–Cotterell dislocations, Boron diffusion, Inclusions, Semiconductors, Silicon. See SILICON, Semiconductors, Inclusions, Boron diffusion, Dislocations, Lomer–Cotterell, Burgers vectors, Determination, X-ray diffraction
X-RAYS, Diffraction, Cameras, Oscillating, Orientation attachments
On the setting of single crystals for the precession camera geometry. H. S. Villarroel & H. Cid-Dresdner. J. of Scientific Instruments, 43 (Oct 66) p.754-5. il. refs.

X-RAYS, Diffraction, Crystal orientation

Improved crystal-mounting technique for x-ray diffraction work. G. A. Wooster & W. A. Wooster. J. of Scientific Instruments, 43 (Oct 66) p.756. il. refs.

X-RAYS, Diffraction, Crystallisation studies, Alkaline earth aluminosilicate glass. See GLASS, Alkaline earth earth aluminosilicate, Crystallisation, Studies, X-ray diffraction

X-RAYS, Diffraction, Data processing, Computers

Small digital computer applied to real time data collection. D. B. G. Edwards, K. F. Bowden, J. Standeven & O. S. Mills. Computer Bull., 10 (Jun 66) p.54-9. il. refs.

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X-RAYS, Diffraction, Deformation studies, Crystals, Hydrated cement. See CEMENT, Hydrated, Crystals, Deformation, Studies, X-ray diffraction

X-RAYS, Diffraction, Dislocation studies, Cold worked aluminium. See ALUMINIUM, Cold worked, Dislocations, Studies, X-ray diffraction

X-RAYS, Diffraction, Dislocation studies, Cold worked copper. See COPPER, Cold worked, Dislocations, Studies, X-ray diffraction

X-RAYS, Diffraction, Ferrous oxide. See FERROUS OXIDE, X-ray diffraction

X-RAYS, Diffraction, Granular fertilisers. See FERTILISERS, Granular, X-ray diffraction

X-RAYS, Diffraction, Lead oxide, Plates, Lead batteries. See BATTERIES, Lead, Plates, Lead oxide, X-ray diffraction

X-RAYS, Diffraction, Liquid electrical insulating materials. See INSULATING MATERIALS, Electrical, Liquid, X-ray diffraction

X-RAYS, Diffraction, Liquid metals. See METALS, Liquid, X-ray diffraction

X-RAYS, Diffraction, Minerals determination, Coal. See COAL, Determination of minerals, X-ray diffraction

X-RAYS, Diffraction, Photographs, Co-ordinates, Determination, Microscopes, Alignment, Tables

Aligning table for use with a 2-dimensional measuring microscope. J. E. Lydon & B. Sheldrick. Laboratory Practice, 15 (Sep 66) p.1001. il.

X-RAYS, Diffraction, Photographs, Printing, Exposure, Control, Masks, Rotating

Photographic dodger for the reproduction of diffraction patterns. R. T. Murnay. J. of Scientific Instruments, 43 (Oct 66) p.760. il. refs.

X-RAYS, Diffraction, Poly-L-alanine. See POLY-L-ALANINE, X-ray diffraction

X-RAYS, Diffraction, Powder photographs, Line broadening, Analysis, Computers, Programs

Computer programmes for Fourier analysis of broadening of X-ray powder diffraction line profiles. W. D. Hoff & W. J. Kitchingman. J. of Scientific Instruments, 43 (Sep 66) p.654-5. refs.

X-RAYS, Diffraction, Quartz. See QUARTZ, X-ray diffraction

X-RAYS, Diffraction, Specimens, Temperature, Control, Gas streams

X-ray specimen temperature control with gas streams. R.A. Young. J. of Scientific Instruments, 43 (Jul 66) p.449-53. il. refs.

X–RAYS, Diffraction, Spherically ground crystals. See CRYSTALS, Spherically ground, X–ray diffraction

X-RAYS, Diffraction, Terylene. See TERYLENE, X-ray diffraction

X-RAYS, Diffraction, Tubes, Shutters

Double shutter safety device for crystallographic x-ray tubes. M.T.G. Powell. J. of Scientific Instruments, 43 (Nov 66) p.848-9. il. refs.

X-RAYS, Diffraction, Vanadium. See VANADIUM, X-ray diffraction

X-RAYS, Diffractometers, Cooling attachments

Simple specimen holder for low temperature x-ray intensity studies using a General Electric diffractometer. J.H. Brady & E.C. van Reuth. J. of Scientific Instruments, 43 (Nov 66) p.833-4. il.

X-RAYS, Diffractometers, Heating attachments

High temperature x-ray diffractometer for operation up to 2500°C. T.W. Baker, P.J. Baldock & W.E. Spindler. J. of Scientific Instruments, 43 (Nov 66) p.803-8. il. refs.

X-RAYS, Diffractometers, Powder, Slits, Width

Determination of apertures in the focusing plane of x-ray powder diffractometers. W. Parrish, M. Mack & J. Taylor. J. of Scientific Instruments, 43 (Sep 66) p.623-8. il. refs.

X-RAYS, Electron energy determination, Plasmas. See PLASMAS, Electron energy, Determination, X-rays

X-RAYS, Fluorescence, Cinematography, Casting, Steel. See STEEL, Casting, X-ray fluorescence cinematography

X-RAYS, Fluorescence, Ore analysis. See ORES, Analysis, X-ray fluorescence

X-RAYS, Fluorescence, Spectrometers

Selective non-dispersive x-ray fluorescence analyser without balanced filters. K. G. Carr-Brion & D. A. Jenkinson. Brit. J. of Applied Physics, 17 (Aug 66) p.1103-4. il. refs.

X-RAYS, Fluorescence, Spectroscopy, Electrode materials, Arc welding. See WELDING, Arc, Electrodes, Materials, Spectroscopy, X-ray fluorescence

X-RAYS, Flourescence, Spectroscopy, Pulp, Flotation, Mineral dressing. See MINERAL DRESSING, Flotation, Pulp, X-ray fluorescence spectroscopy

X-RAYS, Fluorescence, Spectroscopy, Radioisotopes

Radioisotope x-ray spectrometry. J. R. Rhodes. Analyst, 91 (Nov 66) p.683-99. il. refs.

X–RAYS, Fluorescence, Spectroscopy, Slurries, Mineral dressing. See MINERAL DRESSING, Slurries, X–ray fluorescence spectroscopy

X-RAYS, Fluorescence, Spectroscopy, Wear particles, Lubricating oils, Engines, Diesel locomotives. See LOCOMOTIVES, Diesel, Engines, Lubricating oils, Wear particles, Spectroscopy, X-ray fluorescence

X-RAYS, Fluorescence, Testing, Equipment, Image intensifiers

Fluoroscopy with a Marconi 12 in. image amplifier at energies up to 5 MeV. B. J. Vincent & M. J. Shemmans. Applied Materials Research, 5 (Jul 66) p.172-80. il. refs.

X-RAYS, Microanalysis

Related Headings:

ELECTRON PROBE MICROANALYSIS

X-RAYS, Proportional counters. See COUNTERS, Proportional, X-rays

X-RAYS, Soft, Borosilicate glass. See GLASS, Borosilicate, X-rays, Soft

X-RAYS, Soft, Stainless steel. See STEEL, Stainless, X-rays, Soft

X-RAYS, Tubes, Diffraction, X-rays. See X-RAYS, Diffraction, Tubes

XW SYSTEM, Prefabricated houses. See HOUSES, Prefabricated, XW system

X–Y PLOTTERS, Stress–Strain relationships, Hydrostatic bulge tests, Metals, Sheets. See SHEETS, Metals, Bulge tests, Hydrostatic, Stress–Strain relationships, X–Y plotters

XANTHOHUMOL, Hops. See HOPS, Xanthohumol

XENON, Arcs, Accelerated weathering tests, Bitumen, Coatings. See COATINGS, Bitumen, Accelerated weathering tests, Arcs, XENON, Lamps. See LAMPS, Xenon

XEROGRAPHY, Machines

Duplicating by electrostatic copiers. Reproduction, 3 (Jul 66) p.3-7. il.

XEROGRAPHY, Machines, Drums, Aluminium, Machining, Holding devices, Pneumatic

Rubber and air solve drum holding problem [Rank Organisation at Leeds] L. H. Sanders. Metalworking Production, 110 (6 Jul 66) p.44-5. il.

XEROGRAPHY, Machines, Drums, Cams, Electroforming, Control systems

ECM and NC produce cam contour within +0.00005in. Metalworking Production, 110 (10 Aug 66) p.64+. il.

XEROGRAPHY, Machines, Shafts, Machining, Automatics, Spindle-chucking

Efficient shaft production on an automatic chucking machine. [Webster N.Y., factory of the Xerox Corporation, U.S.A.] R. M. Blair. Machinery, 109 (10 Aug 66) p.303-4. il.

O-XYLENE, Phthalonitrile production. See PHTHALONITRILE, Production, O-Xylene

O-d-XYLOSYLVITEXIN

Long range proton shielding in C-glycosyl compounds: structure of some new C-glycosylflavones. R. M. Horowitz & B. Gentili. Chemistry & Industry (9 Apr 66) p.625-7. il. refs.

YACHTS, Design

How ocean racing has affected design. C Mudie. Motor Boat, 105 (1 Jul 66) p.42-5. il.

YACHTS, History

Yachting archaeology. D. Chapman. Motor Boat, 104 (22 Apr 66) p.66-9. il.

YACHTS, Hulls, Sandwich, P.V.C. foam cores

P.V.C. - core hulls in the "Round Britain Race". Reinforced Plastics, 10 (Jun 66) p.280-1. il.

YACHTS, Motor

'Babette II' motor yacht. Ship & Boat Builder, 19 (Jan 66) p.43-4. il.

Motor yacht. Ship & Boat Builder, 19 (Jan 66) p.39-40. il.

Naval architect's own motor yacht ['Dimarcha'] Marine Engr. & Naval Architect, 88 (Dec 65) p.564-6. il.

Sailing yachts and motor sailers. J. Nicholls. Motor Boat, 104 (14 Jan 66) p.56-8. il.

Some girls have got everything ["Cheemaun"] Motor Boat, 104 (3 Jun 66) p.70-1. il.

344 tons of perfection ["Chambel IV"] Motor Boat, 105 (29 Jul 66) p.56-7. il.

YACHTS, Navigation, Direction finding

Direction and depth. E. L. Delmar-Morgan. Motor Boat, 104 (20 May 66) p.62-4. il.

YACHTS, Navigation, Echo sounding

Direction and depth. E. L. Delmar-Morgan. Motor Boat, 104 (20 May 66) p.62-4. il.

YACHTS, Plastics, Reinforced–Glass fibre

Reinforced plastics—a new chapter in the history of yachting. Reinforced Plastics; 10 (Dec 65) p.106-8. il.

YACHTS, Radio, Interference

Cut the crackle. R. N. B. Gatehouse. Motor Boat, 104 (20 May 66) p.54-7. il. refs.

YAKOVLEV YAK-40 AIRCRAFT. See AIRCRAFT, Types, Yakovlev Yak-40

YAMAHA YDS 3 MOTOR CYCLES. See MOTOR CYCLES, Types, Yamaha YDS 3

YAMS, Ascorbic acid

Asorbic acid levels in Ghanaian yams. D. G. Coursey & A. Aidoo. J. of Science of Food & Agriculture, 17 (Oct 66) p.446-9. refs.

YARDS CREEK

See

HYDROELECTRIC POWER STATIONS, Pumped storage, Yards Creek

YARNS

Design & technological innovation. D. Brunnschweiler. Textile Weekly, 66 (2 Dec 66) p.817-9

YARNS

Related Headings:

- SLIVERS
- THREAD
- TOPS
- TOWS

YARNS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - Faults
    - *Slubs*

- Properties
  - *Geometry*
  - *Count*
  - *Twist*

- Technical activities
  - *Microscopy*
  - *Manufactures*
    - *Winding*
    - *Spinning*
    - *Twisting*
    - *Tension control*
    - *Sizing*
    - *Dyeing*
    - *Beaming*
    - *Warping*
  - *Quality control*

- Kinds of yarns
  - *Film*
  - By property
    - *Filament*
    - *Fibre bundle*
    - *Textured*
  - By material
    - *Cotton*
    - *Jute*
    - *Mohair*
    - *Woollen*
      - *Worsted*
    - *Man-made fibres*
      - Cellulosic
        - *Cellulose diacetate*
        - *Rayon*
      - Polyamides
        - *Nylon*
      - *Polyester fibres*
        - *Terylene*
        - *Terylene–Cotton*
        - *Crimplene*
      - *Polyester fibres–Woollen*
      - *Acrylic fibres*
      - *Polyurethane*
    - *Rubber*
  - By purpose
    - *Pile*

YARNS, Acrylic fibres, Blended, Dyeing
Dyeing acrylic blends in yarn form. H. B. Hallows. Dyer, Textile Printer, Bleacher & Finisher, 135 (18 Mar 66) p.442+
Dyeing acrylic blends in yarn form. H. B. Hallows. Textile Manufacturer, 92 (Mar 66) p.116-18
YARNS, Acrylic fibres, Carpets. See CARPETS, Yarns, Acrylic fibres

YARNS, Beaming, Breakage, Control systems
Catching broken ends in high speed beaming [Benninger Engineering Co. Ltd., Uzwil, Switzerland] Textile Manufacturer, 92 (May 66) p.192-3. il.
Controlled end–breakage in high speed beaming [Benninger system] Textile Weekly, 66 (22 Apr 66) p.643-4. il.
YARNS, Carpets. See CARPETS, Yarns

YARNS, Cellulose diacetate, Spinning, Acetone, Recovery, Adsorption, Fluidised beds, Carbon, Activated
Continuous acetone recovery in synthetic fibre spinning [Courtaulds Engineering at the Wrexham works of British Celanese] Chemical Processing, 12 (Jan 66) p.4-6. il.

YARNS, Cotton, Drawing, Autolevelling
Autolevelling in a linked card automation system [Platt Bros.] R. Greenwood & D.C. Elson. Textile Recorder, 84 (Oct 66) p.50+. il. ref.

YARNS, Cotton, Drawing, Frames, Control systems, Beta gauges
Possibilities of radiation gauging in automatic control of cotton drawframes. R. Greenwood. Textile Inst. & Industry, 4 (Jul 66) p.201-3. il.

YARNS, Cotton, Dyeing, Beam
Beam dyeing of cotton yarns. A. Charlesworth. J. of Soc. of Dyers & Colourists, 82 (Mar 66) p.89-96. il. refs.

YARNS, Cotton, Hairiness
Hairiness of yarns: a review of the literature and a survey of the present position. A. Barella. J. of Textile Inst., Trans., 57 (Oct 66) p.461-89. refs.

YARNS, Cotton, Sizing
Effect of sizing on the weavability of cotton yarns. N. J. Faasen & K. van Heuten. J. of Textile Inst., Trans., 57 (Jul 66) p.269-85. il. refs.

YARNS, Cotton, Spinning
Spinning techniques for the 1970's. W. Nutter. Textile Weekly, 66 (15 Apr 66) p.596-8. il.
Spinning techniques for the 1970's (contd.) W. Nutter. Textile Weekly, 66 (22 Apr 66) p.639-412

YARNS, Cotton, Spinning, Break, Regularity
Yarn regularity on a new Czechoslovak spinning system. J. Kasparek. Textile Manufacturer, 92 (Apr 66) p.134-6. il. refs.

YARNS, Cotton, Spinning, Condenser, Ring frames
Ring spinning in the condenser trade (summary) F. E. Chappelow. Textile Manufacturer, 92 (Apr 66) p.131-3. il.

YARNS, Cotton, Spinning, Education
Operative training in the spinning industry. G. J. Oldham. Textile Inst. & Industry, 4 (Apr 66) p.98-100
Operative training to meet modern production techniques [Shiloh Spinners Ltd.] Textile Weekly, 66 (22 Jul 66) p.118-19. il.

YARNS, Cotton, Spinning, Interfibre friction
Frictional forces in cotton and regenerated cellulosic fibres. A. Viswanathan. J. of Textile Inst., Trans., 57 (Jan 66) p.T30-41. il. refs.

YARNS, Cotton, Spinning, Machines
Preparatory and spinning machinery of the cotton type. Textile Recorder, 84 (Nov 66) p.71-3. il.

YARNS, Cotton, Spinning, Machines, Control systems
Automated spinning in the U.S. [Beaunit Corporation, Clinton, North Carolina] Textile Recorder, 84 (Sep 66) p.66-8. il.
Push-button spinning? [Beaunit Corporation, U.S.A.] Man-Made Textiles, 43 (Sep 66) p.42-4. il.
Trend of automation in cotton spinning techniques (summary) N. Hooper. Textile Manufacturer, 92 (Aug 66) p.308-11

YARNS, Cotton, Spinning, Quality control
Practical quality control in cotton spinning. D. G. Bell. Textile Inst. & Industry, 4 (Mar 66) p.70-3. il.

YARNS, Cotton, Spinning, Ring frames, Electric motors, Starters
Starting technique for ring frame drive [Vapormatic & Statormatic] Textile Weekly, 66 (9 Sep 66) p.373+
Starting technique for ring frame drive: the Statormatic & Vapormatic devices. Textile Weekly, 66 (16 Sep 66) p.410+. il.

YARNS, Count, Determination
Tex yarn counting system in cloth manufacturing calculations. J. Cowburn, S. McNaughton & F. Percival. Textile Manufacturer, 92 (Jun 66) p.219-22. il.
Tex yarn counting system in cloth manufacturing calculations, pt.2. J. Cowburn, S. McNaughton & F. Percival. Textile Manufacturer, 92 (Jul 66) p.268-70. il.
Tex yarn counting system in cloth manufacturing calculations, pt. 3. J. Cowburn, S. McNaughton & F. Percival. Textile Manufacturer, 92 (Aug 66) p.304-7

YARNS, Crimplene, Dyeing
Dyeing polyester/wool and ''Crimplene''. L. Hughes. Textile Manufacturer, 92 (Mar 66) p.113-15

YARNS, Crimplene, Processing
60 yarn-dyed Crimplene shades: textured yarn developments at Tatton's. Hosiery Trade J., 73 (Apr 66) p.130-2. il.

YARNS, Dyeing, Package, Control systems
Automation in package dyeing [Robinson Bros. (Blackburn) Ltd.] Man-Made Textiles, 43 (Apr 66) p.57+. il.

YARNS, Dyeing, Package, Fluid flow
Liquor flow in package dyeing: summary of "Influence of additives on the liquor flow in package dyeing". Dyer, Textile Printer, Bleacher & Finisher, 136 (2 Sep 66) p.370-1

YARNS, Dyeing, Space
Space-dye unit from N. Ireland [McCleery, L'Amie & Glover Ltd.] Skinner's Record, 40 (Jun 66) p.396+. il.

YARNS, Fibre bundle, Stitching
Malfil and Voltex: yarns and fleeces by the sew-knit process. H. Mauersberger. Skinner's Record, 40 (Nov 66) p.777-9. il.

YARNS, Filament, Refractometers
Continuous filament yarn refractometer for routine laboratory use. G. A. J. Orchard. J. of Scientific Instruments, 43 (May 66) p.277-82, il. refs.

YARNS, Film "Split fibre"
Japanese split fibre of regular geometric form. M. Nozawa. Brit. Plastics, 39 (Nov 66) p.642-3. il.
Split-fibre situation. J. E. Ford. Man-Made Textiles, 43 (May 66) p.26-8. il.

YARNS, Geometry
Shape and structure in textiles. P. Grosberg. J. of Textile Inst., Trans., 57 (Sep 66) p.383-94. il. refs.
YARNS, Hosiery. See HOSIERY, Yarns

YARNS, Jute, Irregularities
Analysis of yarn irregularity for performance evaluation in jute spinning. B. L. Banerjee. J. of Textile Inst., Trans., 57 (Nov 66) p.530-8. refs.

YARNS, Jute, Spinning, Oils, Batching, Substitutes
Recent work on batching oil substitutes. K. K. Chatterjee & P. K. Saha. Textile Manufacturer, 92 (May 66) p.186-8. refs.
YARNS, Knitting. See KNITTING, Yarns

YARNS, Man-made fibres, Blending
Developments in fibre blending, pt.1. E. Kirschner. Man-Made Textiles, 43 (Apr 66) p.38-40. il.
Developments in fibre blending, pt.2. E. Kirschner. Man-Made Textiles, 43 (Jul 66) p.41-2. il.
Developments in fibre blending. E. Kirschner. Man-Made Textiles, 43 (Aug 66) p.36-8. il. refs.

YARNS, Man-made fibres, Elastic
Developments in yarn processing. P. M. Rowe. Textile Weekly, 66 (24 Jun 66) p.959+. il.

YARNS, Man-made fibres, Filament, Bending, Effect of humidity
Effect of temperature and humidity on the bending modulus of some monofilament materials. H. M. Elder. J. of Textile Inst., Trans., 57 (Feb 66) p.75-80. refs.

YARNS, Man-made fibres, Filament, Bending, Effect of temperature
Effect of temperature and humidity on the bending modulus of some monofilament materials. H. M. Elder. J. of Textile Inst., Trans., 57 (Feb 66) p.75-80. refs.

YARNS, Man-made fibres, Filament, Drawtwisting, Tension control
Multi-point heater control in filament yarn draw twisting [Staveley-Smith u Series thyristor system] Textile Weekly, 66 (10 Jun 66) p.888+

YARNS, Man-made fibres, Filament, Manufactures, Machines
Plant for processing filament man-made fibre yarns. M. S. Burnip. Textile Recorder, 84 (Nov 66) p.78-82. il.

YARNS, Man-made fibres, Filament, Mechanical properties
Tensile, compressive, and bending moduli of some monofilament materials. H. M. Elder. J. of Textile Inst., Trans., 57 (Jan 66) p.T8-14. refs.

YARNS, Man-made fibres, Filament, Sizing
Modern techniques in the sizing of filament yarns. J. H. MacGregor. Textile Manufacturer, 92 (Mar 66) p.89-94. refs.

YARNS, Man-made fibres, Filament, Stress–Strain relationships, Testing
Yarn strength testing [Uster tester] Textile Manufacturer, 92 (Apr 66) p.143-4. il.

YARNS, Man-made fibres, Filament, Textured
Filament yarn processing: reserve potential in false twist crimping. Textile Weekly, 66 (2 Dec 66) p.820-1. il.

YARNS, Man-made fibres, Filament, Textured, Snarl, Formation
Structural mechanics of torque-stretch yarns: the mechanism of snarl formation. J. W. S. Hearle. J. of Textile Inst., Trans., 57 (Oct 66) p.441-60. il. refs.

YARNS, Man-made fibres, Knit-de-knit
Outline of knit-de-knit. P. J. Brennan. Skinner's Record, 40 (Feb 66) p.80+. il.

YARNS, Man-made fibres, Manufactures
Rise of Trevira [Farbwerke Hoechst A.G. W. Germany] Hosiery Trade J., 73 (Jan 66) p.122-4. il.

YARNS, Man-made fibres, Monofilament
Progress in monofilaments. Brit. Plastics, 39 (Jul 66) p.370-3. il.

YARNS, Man-made fibres, Sizes, Synthetic
Use of synthetic sizes. G. G. Horley. Textile Weekly, 66 (18 Nov 66) p.738+

YARNS, Man-made fibres, Sizing
Improving weaving efficiency: Zero-Twist precision sizing [Tsudakoma type G Zero-Twist machine] Textile Weekly, 65 (17 Dec 65) p.995+. il.
Precision sizing ensures improved weaving efficiency [Tsudakoma] Textile Manufacturer, 92 (Jan 66) p.14-15. il.

YARNS, Man-made fibres, Spinning
Spinning techniques for the 1970's. W. Nutter. Textile Weekly, 66 (15 Apr 66) p.596-8. il.
Spinning techniques for the 1970's (contd.) W. Nutter. Textile Weekly, 66 (22 Apr 66) p.639-412

YARNS, Man-made fibres, Spinning, Interfibre friction
Frictional forces in cotton and regenerated cellulosic fibres. A. Viswanathan. J. of Textile Inst., Trans., 57 (Jan 66) p.T30-41. il. refs.

YARNS, Man-made fibres, Textured
Britain's textured yarns. Man-Made Textiles, 43 (Aug 66) p.24-5

YARNS, Man-made fibres, Textured, Manufactures
Boom time ahead for dyed crimped yarns. Skinner's Record, 40 (Apr 66) p.248+. il.
Developments in yarn processing. P. M. Rowe. Textile Weekly, 66 (24 Jun 66) p.959+. il.
Developments in yarn processing: textured yarn techniques. L. Cotton. Textile Weekly, 66 (24 Jun 66) p.963
Heathcoat story: 1808-1966 [John Heathcoat & Co. Ltd., Tiverton] Hosiery Times, 39 (Oct 66) p.39+. il.
Helanca story: 1936-1966. Hosiery Times, 38 (Dec 65) p.77-82. il.

YARNS, Man-made fibres, Textured, Manufactures, Machines
CMG 500- a cost-cutting crimper: versatility is keynote of Klinger's false-twist unit. Man-Made Textiles, 42 (Dec 65) p.56+. il.
Continuous filament processing [Klinger machines] Light Production Engng., 4 (Sep 66) p.10-11. il.
Electronic false-twisting: Japanese Fuji-Loft machine is suitable for processing yarns up to 200 denier. Man-Made Textiles, 43 (Aug 66) p.18-19. il.
Klinger unveils AM1 unit. Skinner's Record, 40 (Dec 66) p.847-8. il.
Machine for producing crinkle yarns [John Heathcoat and Co. Ltd.] Textile Recorder, 84 (Jun 66) p./1+. il.
Quality bee in the Klinger bonnet. Hosiery Trade J., 73 (Jul 66) p.91-2.

YARNS, Manufactures
Acrylics giant [Patons & Baldwins Ltd.] Hosiery Trade J., 73 (Oct 66) p.78-87. il.

YARNS, Manufactures, Machines
More about the PK-100 spin-twist unit. Skinner's Record, 40 (Jun 66) p.408-9. il.
Recent developments in twisting, winding and yarn preparation machines. G. E. Chadwick. Textile Recorder, 84 (Nov 66) p.82+. il.
Trends in preparation machinery. N. Hodgkinson. Textile Weekly, 66 (25 Feb 66) p.303+. il.

YARNS, Metallic, Knitting, Stockings. See STOCKINGS, Knitting, Yarns, Metallic

YARNS, Microscopy, Electron, Scanning
New scanning electron microscope [Cambridge Stereoscan] Textile Weekly, 65 (10 Dec 65) p.954+. il.
Scanning microscope [Stereoscan] extends research fields. Textile Manufacturer, 92 (Jan 66) p.30-1. il.

YARNS, Mohair, Scouring
Pilot plant studies of mohair scouring. W. Kriel & C. C. Grove. Textile Recorder, 83 (Apr 66) p.59-60. il. refs.

YARNS, Monofilament, Nylon fabrics. See FABRICS, Nylon, Monofilament yarn

YARNS, Multicolour, Worsted, Fabrics. See FABRICS, Worsted, Multicolour yarn

YARNS, Nylon, Carpets. See CARPETS, Yarns, Nylon

YARNS, Nylon, Coating, P.V.C.
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